

<212> DNA  
<213> Homo sapiens

<400> 6020  
agctccaaag tggtttgatg accacaggct aaaattcata gtcttaaaat 50

<210> 6021  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6021  
tcagaaagga gaaaacacag accaaagaga agtatctaag accaaagga 50

<210> 6022  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6022  
gcatcacgat ttgtctacat aagtccagtt catctcgcgt ttgttttggc 50

<210> 6023  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6023  
atacagggtt ccatccagaa agcattcagt cagagcaagt taaagtcagt 50

<210> 6024  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6024  
aagtgccaga ttttgataat caccagcctc tcattcaact cctatgttgc 50

<210> 6025  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6025  
acccttggtc actggtgttt caaacattct ggcaagtcac atcaatcaag 50

<210> 6026  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6026  
agctctggag cctttgcttc ctcaaatacg agcgggaact gcgttgagcg 50

<210> 6027  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6027  
aagttgtcct gtgctaaagc aagcgtggga tgatcctacc tacctctagg 50

<210> 6028  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6028  
atttgacag atgcagaagg aactgttagt gagtcaagac aaacacatct 50

<210> 6029  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6029  
cccctacccc tggaaagtaa tatactgaag tctcatcata ctgttttggg 50

<210> 6030  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6030  
tgtttcgtaa attaaatagg tctggcccag aagaccact caattgcctt 50

<210> 6031  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6031  
agctagtgat gttttgtcca aaggaagatt ctgacaacag cttcagcaga 50

<210> 6032  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6032  
acacagacat attgaccgca cacaacactg aaatggactg acttgagaaa 50

<210> 6033  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6033  
tggttctctg atttgtaatg agcacctgga tatgtcaatt aaaatgccca 50



<210> 6034  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6034  
gggccatgtc accgtgagta caccctatg attggtttgt tgtcaagaag 50

<210> 6035  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6035  
tgctagttca ggctctccag gcattgattt gtacagttaa actccgagtg 50

<210> 6036  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6036  
acaagcattt agatcataac atggtaaagc ctattaccag ccaatgttgt 50

<210> 6037  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6037  
ggcctactga ccaaattgtt gtgttgagat gatatttaac tttttgcaa 50

<210> 6038  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6038  
aagtttgtgc agcacattcc tgagtgtacg atattgacct gtagcccagc 50

<210> 6039  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6039  
cgatagaatt gaagcagtcc acggggaggg gatgatacaa ggagtaaacc 50

<210> 6040  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6040  
atagactcca aagaggcggt aagcacctgg ttttcctttg gctcagaaaa 50

<210> 6041  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6041  
ctcaaacgaa attgggcagg ccatttgcgt ggtttctctg gataagttcc 50

<210> 6042  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6042  
gcacatgaca gtaagcgagg ttttgggtaa atatagatga ggatgcctat 50

<210> 6043  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6043  
tcccagagta actgacagta tcaaatagca agagagttag gatgaggact 50

<210> 6044  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6044  
acacaggaac cgcttaccca ccagctctgc ccgcgtctct accgccatag 50

<210> 6045  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6045  
ttcttccaag agaataaccc tattaaaggc taaaaatgga agctcccagt 50

<210> 6046  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6046  
actgacctag cagatgtgtg gaaaaggaat cagatcttga ttcttctggg 50

<210> 6047  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6047

acaactcaag tgaaaagatg tctccagttt ctgaagataa cgcacgctga 50

<210> 6048

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6048

cgccgactcg ttgaaagttt tgttgtgtag ttgggtttcg ttgagttctt 50

<210> 6049

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6049

cacccacctg gtaggaaggt caatcttatg ctcagaagtc ccacccacca 50

<210> 6050

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6050

caactcctta aagggttgaa gggtgtgaca ataactgagg gaactgatgt 50

<210> 6051

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6051

aaaacactcc acctaaaagc aggaaagatg gcaattctaa atagcagcta 50

<210> 6052

<211> 53

<212> DNA

<213> Homo sapiens

<400> 6052

ggagggtttg atcgtgactt tattttgaga tattgtatct ttgttagtat tgc 53

<210> 6053

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6053

ttgtaagggt ccggggaact gactcaacat ggttctccaa ctcgagggtg 50

<210> 6054

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6054  
tgtgagtgtt ataggttaca gtggattcca aactagccac aagtgaagca 50

<210> 6055  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6055  
tcagccagga ggaaaagcac tctgattatg aattgagcag aaggaaacaa 50

<210> 6056  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6056  
gttcccactc gttcttgccg gagaaacctg ccttttcaag cataattcaa 50

<210> 6057  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6057  
gggtccaaga ttattgatta atttgggcac cgcgagagct cgagtcccc 50

<210> 6058  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6058  
gaccacctgt aaagcaagtc ctttcaagtt tcaactgcaca tcccaaacca 50

<210> 6059  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6059  
tggtccactg tcaactgtttc tctgctgttg caaatacatg gataacacat 50

<210> 6060  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6060  
agactctgga aaaggagggt cggagtatta aactggctgg gaatgagagg 50

<210> 6061  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6061  
tgagagcaca ccataaattc acagcaggaa taaacgaaga cacacgagca 50

<210> 6062  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6062  
acattctctc attttgctga agctgatttg attgggtgtc tgtttctcgc 50

<210> 6063  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6063  
tgagaaggta aagtagaaag ggaagatgat gagtgaacaa taagccttgt 50

<210> 6064  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6064  
acattattcc atgggaataa gtcacagtg caaaggactg taaggagtgc 50

<210> 6065  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6065  
cgccgctcct ggagacctga taacttaggc ttgaaataat tgacttgtct 50

<210> 6066  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6066  
tgtatgtgca atatgcttat gggtaattat gggcaagaga aatggaaaca 50

<210> 6067  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6067

acccttggt aaagcagttg taagaattaa acaagaggaa ttgctctttc 50

<210> 6068  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6068  
aatcaggcc ccttgcgcca ttcacaaaaa tccttgtgag atgactcaag 50

<210> 6069  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6069  
agggcagagg tcctttggga gggtaagctc acaaaaactc agggaggcag 50

<210> 6070  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6070  
tcattctccgc caaggttccc actaggcagg aaaggatttt tatctaaagt 50

<210> 6071  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6071  
ccaccaagt cggaatccga gtgaaataaa tagcatcgcc cgccaactac 50

<210> 6072  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6072  
aggcacacga ttgtcaccat ttctcccttt acaagctgta taatcagtaa 50

<210> 6073  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6073  
gcaacgtctg aatgtagtaa tgtgactcag agcttcaaag taagcattcg 50

<210> 6074  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6074  
gccaccccat ctgggaggcc cagcatccaa ttcagtcgcc ttcaatgatt 50

<210> 6075  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6075  
tgatagactg gatgctgcta tggtaatctg cctcaggaaa atgccggact 50

<210> 6076  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6076  
tggagccaag aagccactga ctcaagagga tttcaagcga gagctgcttg 50

<210> 6077  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6077  
caacttttgt aacaggggac ttagccgggg gcaggagggg ttcttgagac 50

<210> 6078  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6078  
acttgaaggc acatcttcct tttggttgtt ttccatcttc aaattaaact 50

<210> 6079  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6079  
taaaaactga catgacatga gatggtttaa gtgtcaaaca taagggtctt t 51

<210> 6080  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6080  
actgacataa gcccaacttca ggtgttttga agacactaaa gagaatcaga 50

<210> 6081  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6081  
gcagcttttt gctggcgggg gtctaaataa agtagcttcc ccaaaagaaa 50

<210> 6082  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6082  
acctggttat ctgcgaatga cctagctaac acaaagcaa catcagccgg 50

<210> 6083  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6083  
tgatcaaaat gaagatgctc caaccgtata aatggcagat gaaatagact 50

<210> 6084  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6084  
gcaggagaga aataccttct aatgggtgtg gacactggag gaactgttac 50

<210> 6085  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6085  
agggcactgt ttgttccttt aatatggaga aatatcgcaa ataactggga 50

<210> 6086  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6086  
ttggcctatg ttaatttcta ttctcagttc ttctgtgcc ttctctctct 50

<210> 6087  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6087  
gaacgtaagc ccgacgctag gcagtgtgt tagaaagtga tttggaagag 50



<210> 6088  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6088  
atcccattct ccctctcaag gcaggggtca tagatcctaa gccataaaat 50

<210> 6089  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6089  
tgctgtaaaa tggcagctcc ataggaacct attttccata ggaacctgca 50

<210> 6090  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6090  
actggagaaa ggtgtcttcc tgtcctttca ggggctcctg cggggaattc 50

<210> 6091  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6091  
attatatttg tccctatcag aatcctcgaa tccctagcag ccagtccttg 50

<210> 6092  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6092  
tgctcactgt cttctggaag agacaagcac tttcttgaaa ttcctaagca 50

<210> 6093  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6093  
caatcgatc attcttctca acttgggcgg ctctttcctc ccttccttcc 50

<210> 6094  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6094  
tgctttgggc agtagctgaa gccgaagtat gaacagtcca ttttgtttct 50

<210> 6095  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6095  
cacagttgag taggagggtca tgaagaagaa gagatgatac ctgccttacc 50

<210> 6096  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6096  
tttgtgtagc aaatgttcat taattgccta ctttgtgcca aattcaggcc 50

<210> 6097  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6097  
tccagcattg tattgtctat tgacacacaa agtttgaaaa taaaggggca 50

<210> 6098  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6098  
caccaccag accgaggatt caaaagggg gcgaaggcgg agagcaaagg 50

<210> 6099  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6099  
tggactctgt tttcaagagg aagaaacaac tgacaaataa gttgatgtca 50

<210> 6100  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6100  
atgttgaaac tggttttaac ttgtaatggg gtggctgatg ttacccgacc 50

<210> 6101  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6101  
acacagattt gaagtctact gttctaaatg gcctctactt cctgctgtca 50

<210> 6102  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6102  
ggaacttctg cttccactta cgatgaagga acttgctactc aatccatcca 50

<210> 6103  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6103  
gaagccttcc tgtggtcata acaagtctca cacaccccaa ggactgatct 50

<210> 6104  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6104  
gagtccagcc tttgaacctg gcgctgaatc ctgactttac tgcttattca 50

<210> 6105  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6105  
aaactcatac atgcagaaaa ttgtctttgc tcgaaatggc aatgccaaaa 50

<210> 6106  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6106  
aaactcatac atgcagaaaa ttgtctttgc tcgaaatggc aatgccaaaa 50

<210> 6107  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6107  
acaaaagtca tggctgtgag gctatcatta cccttttacc aaagttggaa 50

<210> 6108  
<211> 53  
<212> DNA

<213> Homo sapiens

<400> 6108

agttctatatt ctatcccaaa ctaagctatg tgaaataaga gaagctactt tgt 53

<210> 6109

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6109

atcccgatgg tgcccaccgc tattaaaggt tcgtttgttc cagattaataa 50

<210> 6110

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6110

atgtctccat acccattaca atctccagca ttcccctca aacctaaaaa 50

<210> 6111

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6111

gcccgatatt accctatagc accccctcta ccccttttag agcccaaaaa 50

<210> 6112

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6112

acattttcct ccgcataagc ctgcgtcaga ttaaacact gaactgacaa 50

<210> 6113

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6113

ccaagctggg ttcaagccaa ccccatggcc tccatgactt ttccaaaaac 50

<210> 6114

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6114

tgatcagggtg aaccggaagt ctccaatttc tgaatggatt atgtttctaa 50

<210> 6115

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6115  
tgagtacgtg acacttggtg tagaatagtg gtggtgagct atattcttgt 50

<210> 6116  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6116  
gtgacccttg gcacccgcta gaagtttatg gccgagcttt accaattaaa 50

<210> 6117  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6117  
tgaactccaa ctttgaccaa cccatgagac ccctgttatc caaactttct 50

<210> 6118  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6118  
ccctctacta tttggctcca taacttagga cctgcctttc ccggttccag 50

<210> 6119  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6119  
cccgtagtta ccctatagca cccctctac cccctttaga gccccaaaaa 50

<210> 6120  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6120  
ccaactttca gaacagaagg gtgggaaacc agaaccgctt gccatgcccc 50

<210> 6121  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6121  
gcgccagaaa tccaatccag cccaaggata tagttaggat taattactta 50

<210> 6122  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6122  
ctgagatttt gggttttcca cacgggcca gatacccggc ctctgctgag 50

<210> 6123  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6123  
atatcatttc cacttagtat tatacccaca cccacccaag aacaggggtt 50

<210> 6124  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6124  
acagcatgag aaactgttag tacgcatacc tcagttcaaa cctttaggga 50

<210> 6125  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6125  
gcttgcccta gcagagtcac acggaataat ggaaaactca acttctgttc 50

<210> 6126  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6126  
cacaatgctg cctcctctgt ggatgactga tggcaagagt ctgaattgaa 50

<210> 6127  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6127  
cctctcactc tcagactcca agggccaaga aaaactacgg acaggaagcc 50

<210> 6128  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6128

gagaggaggg gtctcagacg ttgggggaca cactgctggg tgggtgattt 50

<210> 6129  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6129  
taagaaatcc caattttcag gagtgggtgt gtcaataaac gctctgtggc 50

<210> 6130  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6130  
cggcaggggtg gcctgtaaca atttcagttt tcgcagaaca ttcaggtatt 50

<210> 6131  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6131  
gggggtccct tcccggcttt gttttctctg ggagatttta ttttacctaa 50

<210> 6132  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6132  
gaaagtggag ggagtggacg gggaggagac tagccagaga ggctcattag 50

<210> 6133  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6133  
cttctccctt cttgccctct gtggtctgat ttaaaacgaa aaggtcggat 50

<210> 6134  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6134  
ggacttctga aatagagctg gtcacctggg gtgacaatgt atatatgcaa 50

<210> 6135  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6135  
ctgggtgtcg tggaagatga cgaagatgct gggctggcag atgcagtcca 50

<210> 6136  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6136  
accagggttt aaaacctcaa tttatgttca tgacagtggg gatttttctt 50

<210> 6137  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6137  
attctccaac cacaacacgc acttctaaaa ctaactttac tttctgcccc 50

<210> 6138  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6138  
gatatagtct ccatacccca ttaccatctc ccagccattc cccctccaac 50

<210> 6139  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6139  
tgatactttg gttctctttc ctgctcaggt cccttcattt gtactttgga 50

<210> 6140  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6140  
taatactgga ggggcttgaa gaaggctgtc gtgttttgtc acctgctttg 50

<210> 6141  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6141  
gtctttcccg tctttcttcc tcacctatgt aatttcagta gtctctcagc 50

<210> 6142  
<211> 50



<212> DNA  
<213> Homo sapiens

<400> 6142  
aggaagagcc tgcacctgtg gtggaacaat cagggaaaag gaagtcaaaa 50

<210> 6143  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6143  
tttggagctt ctataggagt ggagaggggc agctcattgt tgagagttgc 50

<210> 6144  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6144  
tgatctgact ggaaaacaat cctgtatccc ctcccaaaga atcatgggct 50

<210> 6145  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6145  
tcatccctta aacactctgt gatgggatct tcaggatcat cttttgaagt 50

<210> 6146  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6146  
tgcgtttggt ttaggaatgt gcttttgtac ttccacttga ataaagggtg 50

<210> 6147  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6147  
tgctcagggc acatgcacac agacatttat ctctgcactc acattttgtg 50

<210> 6148  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6148  
ggttattgct gacacgctgt cctctggcga cctgtcgctg gagagggtgg 50

<210> 6149  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6149  
cgttttctga gcatccggtg tgccttaaca ttttctgctt gtcctttggg 50

<210> 6150  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6150  
cttctgaatg cccgagtctt ctcttttgtg ctacacaaatg ccaccaatc 50

<210> 6151  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6151  
tgcttacaag ggtgattgac cttgccttac tctttatgta aattatggca 50

<210> 6152  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6152  
ctggcgtatt accattttga tagcctctct tcaggctaga taagctgggg 50

<210> 6153  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6153  
ccctgtatta ttgaaatgac agcataatga ctggaagggtg aaattgggtcc 50

<210> 6154  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6154  
actgctgttg catgaataga tgatacaaag caagtgatga ggttggtatg 50

<210> 6155  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6155  
tggaagaaca aattcagaca tcatcagtaa gtcttttaggg acacagggaa 50

<210> 6156  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6156  
agtgaaaact ggtacagtgt tctgcttgat ttacaacatg taacttgtga 50

<210> 6157  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6157  
gccagaaagt gtgggctgaa gatggttggt ttcattgttt tgtattatgt 50

<210> 6158  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6158  
tgtcctctga acctgagtga agaaatatac tctgtccttt gtacctgcgt 50

<210> 6159  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6159  
ccatttcac tacatgcctt tctaccttc cttcacaac caatcaagt 50

<210> 6160  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6160  
acacttcctt gaatgttgaa gaagatatgc tatccatgca atccttgctg 50

<210> 6161  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6161  
acttgtgttt gaaccacttc tgcttctct ttaacctgag atgcacagt 50

<210> 6162  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6162  
acattctctc attttgctga agctgatttg attgggtgtc tgtttctcgc 50

<210> 6163  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6163  
tgacagaatg aactggaaat gaaatccac agttatgatc gtagtagagt 50

<210> 6164  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6164  
aagtacagat gccatcccgg tgctgtgatc ttccagccat tctccatttc 50

<210> 6165  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6165  
actgccaatc tgatttaaaa ttctccaagc ttaattctgt gcaacaaaca 50

<210> 6166  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6166  
gcctgttggt ctgtttatcg ccctatttta caaaactgat tctgacctgg 50

<210> 6167  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6167  
aactggcatt gctaagcccc agaaaaatgt atttagtgga acagatgaaa 50

<210> 6168  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6168  
acactaggtc cttttatacc tgtgccttta cgttcgtttt cctgattgca 50

<210> 6169  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6169

aatacagatt cattttattt aagcgtccgt ggcaccgaca gggaccccag

50

<210> 6170

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6170

agttcatccc ctttcagaag ctgtttgctc ttggctcatt aaacctgtga

50

<210> 6171

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6171

gcctcttttc ctgtatcaca caagggtcag ggatgggtgga gtaaaagctc

50

<210> 6172

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6172

tgttaggtgg cctctgcata cctatgggaa ctcagtgatg taatgcaaag

50

<210> 6173

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6173

ctggggccgt agcaaaaatc atgaaaaaca cttcaacgtg tcctttcaat

50

<210> 6174

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6174

tgccaagtca gcagatttgc tttatgaatt acagggacta gaaatgcccc

50

<210> 6175

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6175

ttgcatgtct cttcctaaat ttcattgtgt tgattttctaa tccttcccgt

50

<210> 6176

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6176  
agagtgagaa ggcagttcca gtttagcac agatttggtt atgtgttcag 50

<210> 6177  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6177  
gaagtgcac tgactgtatc tacctctcct tttcttcac aggtgttcct 50

<210> 6178  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6178  
tccctgggtg ataccattca atgtcttaac gtacttggtg ctgagacctg 50

<210> 6179  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6179  
aattccaaag gaggatggtt ggaatagtc ctctaaggga gagaaatgca 50

<210> 6180  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6180  
agcccctcca cccacccag tacttttaca atgtgttatt aaagaccctt 50

<210> 6181  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6181  
ccatccttga gaaatgtggg caccaagtcc ataatctcca taaatccaat 50

<210> 6182  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6182  
cggtgcattt tcacatttgt gtggcaggac aagcatgggg caagagggac 50

<210> 6183  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6183  
tatgagttta tgcgttttcc cagccctccg aatcactgac tggggcgttt 50

<210> 6184  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6184  
ttgaaaagat gacatcgccc caagagccaa aaataaatgg gaattgaaaa 50

<210> 6185  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6185  
tgcactctac cagatttgaa catctagtga gggtcacatt cataactaagt 50

<210> 6186  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6186  
tggatgatc tgcttagatt tccctgtatc tttgctgccc tccttcaagt 50

<210> 6187  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6187  
agttggagct atctgtgcag cagtttctct acagttgtgc ataaatgttt 50

<210> 6188  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6188  
cgtgggagga tgacaaagaa gcatgagtca ccctgctgga taaacttaga 50

<210> 6189  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6189

gtggtttggg cagcatcac acttctcatt tcatttgatg tacacagcca 50

<210> 6190  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6190  
acctgggatt tcatttctgc tgaaagaaat aggaagaaca ggactcactt 50

<210> 6191  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6191  
gggtgtgatg aatagcgaat catctcaaatt ccttgagcac tcagtctagt 50

<210> 6192  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6192  
agctttccacc acctcgcagt tgtagagata gtccccgaaa tattattcca 50

<210> 6193  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6193  
gtgtgaagtg acagccttgt gtgtgatggt ttctgccttc cccaagtttg 50

<210> 6194  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6194  
ttgttttaac aactcttctc aacattttgt ccagggttatt cactgtaacc a 51

<210> 6195  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6195  
taagtggatt ggcagactcc ttgttgctta agagtggctt tctaggcagg 50

<210> 6196  
<211> 51  
<212> DNA  
<213> Homo sapiens



<400> 6196  
ttgttttaac aactcttctc aacattttgt ccaggttatt cactgtaacc a 51

<210> 6197  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6197  
gccagtctct atgtgtctta atcccttgct cttcattaaa agcaaaacta 50

<210> 6198  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6198  
gtctttcccg tctttcttcc tcacctatgt aatttcagta gtctctcagc 50

<210> 6199  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6199  
ggtccactct cactctttct ctgctgttgc aaatacatgg ataacaccgt 50

<210> 6200  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6200  
cattcagtat ttattgggaa gacttgtcaa gcaccatgat aagtgggtgga 50

<210> 6201  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6201  
agagggggaa ggacttacat gacatcctac tgggaatttg ctagaaacca 50

<210> 6202  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6202  
ctggtgaagc tgactcccca ggtaaagaga tatcagctct gcttcagact 50

<210> 6203  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6203  
ttgcttcttc ctgctttata gagttcccg taaaataccct tcaccctggc 50

<210> 6204  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6204  
tctgacctcc gtgacgttta ttaccagctg atgtcccgta cactgatttc a 51

<210> 6205  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6205  
gggaagggtc agcaacgatt tctcaccaaa tcaactacaca gacacaaagg 50

<210> 6206  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6206  
accactaaat ggttacacta caccaagaca ctaaaatggc agggagccct 50

<210> 6207  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6207  
aaattcaaat cacccttgat acccacttct ttctcccacc caaatctgat 50

<210> 6208  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6208  
accatatcgt gcaaaatgta atatggaatt tccaaacatc aatgaaggga t 51

<210> 6209  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6209  
aataagtacc gtatataaac acttctcttt ctctcctcca caatggcacg 50

<210> 6210  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6210  
agcatcactc ttagaagaag caactccttc ccttgattct gtgtatttgg 50

<210> 6211  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 6211  
tcaaccaga atctataatg tatgaaataa attaatagag aaccaacag atc 53

<210> 6212  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6212  
aaggctctcca tctaacagggt agagcagttg gtgcagatga gatgagcctg 50

<210> 6213  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6213  
ggtgatgata ccacctccaa tgaacaggga agcaagttca tcagtcaaca 50

<210> 6214  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6214  
agctgttggg gctgcactga gctgcaattt ttaacatgga tttataactt 50

<210> 6215  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6215  
aaggaatttg tttccctat cctaactcag taacagaggg tttactccga 50

<210> 6216  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6216  
cgcacacatt ttctgtatgg acaaatcctg gattggcttc gttatttggt 50

<210> 6217  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6217  
ggtaatgaaa caatcatcca gttaacaatc agcaagggtc ttcagagcct 50

<210> 6218  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6218  
tggaagagtg gactgaagaa agaacttata ctctccctcc tctaaaattg a 51

<210> 6219  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6219  
tcctgggcta ttggctttat gatatctttt gagaaacagg attttcactt 50

<210> 6220  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6220  
accttttaag gatgtcttat ttccacccca actctocact ccattttagt 50

<210> 6221  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6221  
gaaccttcaa aactgtcact ttgagttcca gaagagtcct tcagcatctt 50

<210> 6222  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6222  
gtatttgggc ttctccaagc agatcacgca gacgacgggtg ctacatttga 50

<210> 6223  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6223  
caagcatact ggttctttcc aagctcactg ttctcaccac acggccccac 50

<210> 6224  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6224  
tccatatcca tttctgacgt tgaaccattt gacagtgcc aaggactttgg 50

<210> 6225  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6225  
aagcctgttt ttcactctaa aaattcaaga ggacacgcta agaacgatca 50

<210> 6226  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6226  
cctcagcttc caactctgat tccaggacag gatggaaaac ctttggacag 50

<210> 6227  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6227  
gcgcacatgg ctattttgat acacaaagtt gtgtttgcta ctttagaagc 50

<210> 6228  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6228  
aactcacgac aattgctaca aaacaccagg gaggggcttt ttgtgttttt 50

<210> 6229  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6229  
gtctttcccg tctttcttcc tcacctatgt aatttcagta gtctctcagc 50

<210> 6230  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6230  
gccctggtat gtatgccttt ctctcctact gtctaatagc acctcgtaaa 50

<210> 6231  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6231  
aagaaaccgt ggaagatact ggtttatttc aaatgagcag agtatgttgt 50

<210> 6232  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6232  
ccacctcttc tgacatgaat gtagcataag ttagcaatcg gttcttccaa 50

<210> 6233  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6233  
aggttccctt tcaaataaag ataaagaatt tgacttggga cactgccaga 50

<210> 6234  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6234  
ggctggcctc attttgaaaa gtagtagcaa ttttcttcag tgctaacttg 50

<210> 6235  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6235  
actccagaac gtcagaaatg gtgtagcaga atgaattctg ttataaggaa 50

<210> 6236  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6236  
ctgttcgaaa gttggagact gcctgtaccc aggttgatag tcaattgttt 50

<210> 6237

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6237  
ccaccttgag cgccttcttc tggttggttg tcatgcagtt ctacacatg

50

<210> 6238  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6238  
acccttcccc tttttcatat cttttcttca aaaatctaaa tgatgtgcct

50

<210> 6239  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6239  
agttccagga ggtgggtttta aatattggat gaaaacttac aggctgtttt

50

<210> 6240  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6240  
acaatacatt tacaaagcca tctttacatg cattaacga gggctacaac

50

<210> 6241  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6241  
acaatacatt tacaaagcca tctttacatg cattaacga gggctacaac

50

<210> 6242  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6242  
ggcctgaaga aggagataag tgttccattc ggcaacataa gagaagttaa

50

<210> 6243  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6243  
tccatcccaa aggagagcta ctgtactgac tgtacttggtg gaatgcagcg

50

<210> 6244  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6244  
accaccact ctcaggacca cctgaaggca gaataaacg gatcctgttg 50

<210> 6245  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6245  
aaattgtgtg agaaggctga taaacgtctg tggtttctcc ctgtgctatt 50

<210> 6246  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6246  
gctgggcttc tgcaaaatta taaagttgct ttattaaatt catacatgcg g 51

<210> 6247  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6247  
agctgattca ttcattctat gtgtgccact aaataaagag attgagcaag t 51

<210> 6248  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6248  
cttgaagctg tgttggtggc ctgtgacctt ccaatgcaat ctagactgtg 50

<210> 6249  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6249  
ctcacact tctcagcctc agcacctaac cctcacacaa cactccagta 50

<210> 6250  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6250



tgagtattgt tgtgggggcg ggtatgtctg tatataaatc tgtgcagcca 50

<210> 6251  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6251  
aacatatcca gggaggacaa actctgggct ggacaatgta tccacaaggg 50

<210> 6252  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6252  
agagcaagtc tcagaaataa tgctgtatct acactgtcat gtatttgcca 50

<210> 6253  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6253  
accaccagct atttgtaatt ccttcttcta aggcatagtg aaaacttgct 50

<210> 6254  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6254  
ggacggttgg ctgaatggca acagtgatgg aatatttata ttagccaca 50

<210> 6255  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6255  
aggttgttat caggtggcac aaattaaatc catcttgaag acttcacaca 50

<210> 6256  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6256  
gactcgttac gccgtagttt gtcctatctt gtttatcaaa tgaatttcgt 50

<210> 6257  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6257  
agagctatgg gtgctacagg cttgtctttc taagtgacat attcttatct 50

<210> 6258  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6258  
acccttataa accagagccc aggaaagaca gctcgagtgt ataattctct 50

<210> 6259  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6259  
agctctccc tctcaacacc cagtttcctt gggagttgtc attaaaggaa 50

<210> 6260  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6260  
gctgtaattc tctgtctcat cctccttctc ttttgtttcc atagcctttt 50

<210> 6261  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6261  
tcgctttcta actgattcca ttccaccatg tcagatactc ctgggctgct 50

<210> 6262  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6262  
atccaagctt taattctgcc atctcagaat ggtgataaac catttctccc 50

<210> 6263  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6263  
tcagccaacc tgaatctggt atctttactt aaacacagca gttgtagtta 50

<210> 6264  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6264  
tcaatagttg tgaaattctt ctcaggctcc ttaaaccctc gctttgttgt

50

<210> 6265  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6265  
agaggcaaca cttaaacact agggctactg tggcatctat gtagacagga

50

<210> 6266  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6266  
tgactttcag gaatgtcagc attgacctct ccttgccact gttactcagc

50

<210> 6267  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6267  
tctcaagaga gaacgccaca gcagagagac ccaatccgcc taagttgcag

50

<210> 6268  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6268  
agagtggagaa ggcagttcca gttttagcac agatttgttt atgtgttcag

50

<210> 6269  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6269  
ggggtaggaa gaggatggaa ttgagatggt tgagcctcat ttacatcaat

50

<210> 6270  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6270  
gctcgctacc agaaatccta ccgataagcc catcgtgact caaaactcac

50

<210> 6271  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6271  
gacgcgcaca caccttgagt gacagcgacc tcttctctac aggttttccc 50

<210> 6272  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6272  
acttccctt taggtatccc tggagtaata atgacaacaa aattcactgc 50

<210> 6273  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6273  
gtcctttgat agcagaacaa gaggtctgt gatcctctgg acctcagatt 50

<210> 6274  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6274  
tgcaggctca ttgtgctcct tcttctgggt ttcaattgga tttcagtcct 50

<210> 6275  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6275  
gaggactggg accgtgattc cactaaccgg aaaccgtcgc ctttcggggc 50

<210> 6276  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6276  
ggatgtgtga tgtttatatg ggagaacaaa aagctgatgt atagccctgt 50

<210> 6277  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6277  
cctgcaacag ctaaggccaa gccaaactta ccgtggactc aaacactttg 50

<210> 6278  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6278  
gccagaatgg tacagagtgg aggggtgttct gctaatagact tcagagaagt 50

<210> 6279  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6279  
gacaaaatag ttacctatgc tttccttctg gcaccccgaa tgtacgcagg 50

<210> 6280  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6280  
aagcccagat acacaaaatt ccaccccatg atcaagaatc ctgctccact 50

<210> 6281  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6281  
tgctgaaagt ggtcccaaag ggtactagt ttttaagctc ccaactcccc 50

<210> 6282  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 6282  
gcaactgttt tctaggacat gtttactaga actactttaa gtatgctgtg c 51

<210> 6283  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6283  
acagttactt tggagctgct agactggttt tctgtgttgg taaattgcct 50

<210> 6284  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6284  
cgccagaggt cagaacatgt ctattttgaa ttggatcgtt acaaatgagc 50

<210> 6285  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6285  
ttctgacacg attacacaac gaggctttaa tgccatttgg gtaggtgagc 50

<210> 6286  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6286  
actgaaaagt tgaaagactt ttgcagtgaa catttatata actccccgct 50

<210> 6287  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6287  
tggttcctgt gctcaccata gggctggtgt acattgggcc attaataaac 50

<210> 6288  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6288  
tctgggaaag acatttttaa gctgctgact tcacctgcaa aatctaacag 50

<210> 6289  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6289  
tgttttacct cactgttggc catacattcc aagcttttca actctaggag 50

<210> 6290  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6290  
tttatctcag aatcttgatg aactctgaaa tgaccctga tgggggcatg 50

<210> 6291  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6291

ccgggaagcg ggggtactggc tgtgtttaat cattaaaggt accgtgtccg 50

<210> 6292

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6292

agccctttct tgttgctgta tgtttagatg cttccaatc tttgttact 50

<210> 6293

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6293

ggggtatggg ttagtaatat ccaccagacc ttccgatcca gcagtttggt 50

<210> 6294

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6294

ctctaccata aggcactatc agagactgct actggagtgt atatttggtt 50

<210> 6295

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6295

tggggcactt tgaaaacttc acaggccac tgctgcttgc tgaaataaaa 50

<210> 6296

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6296

tggcgaggat aaatagaggc attgtttttg ctactttgca tatcattggc 50

<210> 6297

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6297

gcaggaaaga tggggtgggtg gactgttttt gcctactttt tgtttttgaa 50

<210> 6298

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6298  
cagggtatca gatattgtgc cttttggtgc caggttcaaa gtcaagtgcc 50

<210> 6299  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6299  
aggctgcata tggattgccca agtcagcata tgaggaatta aagacattgt 50

<210> 6300  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6300  
ttaagaacc ccaagattaa aggaaacaat gttaagggct tttgtgagga 50

<210> 6301  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6301  
gatacactgt ccagcccagg tccaggccct aggttcttta ctctagctac 50

<210> 6302  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6302  
actcaggtgg tgctggtggt agtgatgctg gagaagagaa tattactggt 50

<210> 6303  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6303  
aaacacagcc caccctattt cagaccgcct tcttgaggag aaaatgacag 50

<210> 6304  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6304  
ttggcccagt gtgattgatt gctttatctt tggactttt acttgaatgg 50



<210> 6305

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6305

agcctgaggc aaataaaatt ccagtaattt cgaagaatgg gtgttgga

50

<210> 6306

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6306

aggaccttga caagccgttt gagatggaat gtaggcctg atgttatgct

50

<210> 6307

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6307

tgtaagttga ctttcaaaag tctctggaaa cactggactt tagctggctc

50

<210> 6308

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6308

aacaagccat gtttgccta gtccaggatt gcctcacttg agacttgcta

50

<210> 6309

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6309

accgcaaag ccaatcatcc actttcagta cttacctaac caatctccca

50

<210> 6310

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6310

tttgggggat cttttgttaa tgacttacac tggaaatgcg aacatttgca

50

<210> 6311

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6311

ttctggcctt gttcacctag aaacgctatt tcctgtgtta tggttctggc

50

<210> 6312

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6312

gggttacatt tgagtctctg tacctgcttg gaagaaataa aaatacgtgt

50

<210> 6313

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6313

tgtgggcttg gtataaaccc tactttgtga tttgctaaag cacaggatgt

50

<210> 6314

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6314

actggcaaatt gaagcatact ggcttgacgg gaccttctga ttcaagtaca

50

<210> 6315

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6315

ctcccatcat tccctccga aagccatttt gttcagttgc tcatccacgc

50

<210> 6316

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6316

ggcgtttccc attgaccagt ttgaccctgg tttgaataaa gagaagtgcg

50

<210> 6317

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6317

gccagtctct atgtgtctta atcccttgct cttcattaaa agcaaaacta

50

<210> 6318

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6318  
tgcaatgagg cagtggggta aggttaaadc ctctaaccgt ctttgaatca 50

<210> 6319  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6319  
tggcaacttc aactccttga tggcgataat ctctggtatg aatatgagcc 50

<210> 6320  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6320  
tgcttgggaa atttggtttg taaacctaaa atagccctta tttctgggga 50

<210> 6321  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6321  
ctttctgcct gaagctgccc ccatgactcc cttctttgtg caaaagcatg 50

<210> 6322  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6322  
accagtttg tgcatagttc atgacacctc ataaaaccag cttttgtgga 50

<210> 6323  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6323  
acaccatttc agcgttggat cacagacagc tcttccttta tatcccagca 50

<210> 6324  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6324  
tggcataatg ttggattgaa tctacatttt ggcagaagtt aaacattccc 50

<210> 6325  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6325  
agaatgcctg gttttcgttt gcaatttgct tgtgtaaatc aggttgtaaa 50

<210> 6326  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6326  
atcgttggat tatctttgaa ccccttggtg tggatcattt tgagcgcct 50

<210> 6327  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6327  
atacagggtt ccatccagaa agcattcagt cagagcaagt taaagtcagt 50

<210> 6328  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6328  
aagtgtcct gtgctaaagc aagcgtggga tgatcctacc tacctctagg 50

<210> 6329  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6329  
agctagtgat gttttgtcca aaggaagatt ctgacaacag cttcagcaga 50

<210> 6330  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6330  
acacagacat attgaccgca cacaacactg aaatggactg acttgagaaa 50

<210> 6331  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6331  
tggttctctg atttgtaatg agcacctgga tatgtcaatt aaaatgccca 50

<210> 6332  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6332  
ggcctactga ccaaattgtt gtgttgagat gatatttaac tttttgccaa 50

<210> 6333  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6333  
cgatagaatt gaagcagtc acggggaggg gatgatacaa ggagtaaacc 50

<210> 6334  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6334  
ctcaaacgaa attgggcagg ccatttgcgt ggtttctctg gataagttcc 50

<210> 6335  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6335  
gcacatgaca gtaagcgagg ttttgggtaa atatagatga ggatgcctat 50

<210> 6336  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6336  
acacaggaac cgcttacc caagctctgc ccgcgtctct accgccatag 50

<210> 6337  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6337  
acaactcaag tgaaaagatg tctccagttt ctgaagataa cgcacgctga 50

<210> 6338  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6338  
aaaacactcc acctaaaagc aggaaagatg gcaattctaa atagcagcta 50

<210> 6339  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6339  
cgccgctcct ggagacctga taacttaggc ttgaaataat tgacttgtct 50

<210> 6340  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6340  
atcccatctt cctctcaag gcaggggtca tagatcctaa gccataaaat 50

<210> 6341  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6341  
acagcatgag aaactggttag tacgcatacc tcagttcaaa cctttaggga 50

<210> 6342  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6342  
cacaatgctg cctcctctgt ggatgactga tggcaagagt ctgaattgaa 50

<210> 6343  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6343  
taagaaatcc caattttcag gâgtggtggt gtcaataaac gctctgtggc 50

<210> 6344  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6344  
cggcaggggtg gcctgtaaca atttcagttt tcgcagaaca ttcaggtatt 50

<210> 6345  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6345  
gctggaggga gaggcactgg ggaatttttc ctggtgaata ctgaagttac 50

<210> 6346  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6346  
tgatactttg gttctctttc ctgctcaggt cccttcattt gtactttgga 50

<210> 6347  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6347  
actgccagtg aagactgtaa agacagaaca cactattttg gagggaggat 50

<210> 6348  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6348  
aggaagagcc tgcacctgtg gtggaacaat cagggaaaag gaagtcaaaa 50

<210> 6349  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6349  
tttggagctt ctataggagt ggagaggggc agctcattgt tgagagttgc 50

<210> 6350  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6350  
tgatctgact ggaaaacaat cctgtatccc ctcccaaaga atcatgggct 50

<210> 6351  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6351  
cgttttctga gcatccgttg tgccttaaca ttttctgctt gtcctttggg 50

<210> 6352  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6352

actgctgttg catgaataga tgatacaaag caagtgatga ggttggtatg 50

<210> 6353

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6353

agtgaaaact ggtacagtgt tctgcttgat ttacaacatg taacttgtga 50

<210> 6354

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6354

tgtcctctga acctgagtga agaaatatac tctgtccttt gtacctgcgt 50

<210> 6355

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6355

ccatttcac tacatgcctt tcctaccttc ccttcacaac caatcaagtg 50

<210> 6356

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6356

aatacagatt cattttatctt aagcgctcgt ggcaccgaca gggaccccag 50

<210> 6357

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6357

gcctcttttc ctgtatcaca caagggtcag ggatggtgga gtaaaagctc 50

<210> 6358

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6358

ctggggccgt agcaaaaatc atgaaaaaca cttcaacgtg tcctttcaat 50

<210> 6359



<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6359  
cagacctgtg ggctgattcc agactgagag ttgaagtttt gtgtgcatca 50

<210> 6360  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6360  
aaggcaacca accacattag aagtcttggc actttgtaac ggaacgggta 50

<210> 6361  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6361  
gaagtgcac tgactgtatc tacctctcct tttcttcac aggtgttcct 50

<210> 6362  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6362  
aattccaaag gagtgatggt ggaatagtcc ctctaaggga gagaaatgca 50

<210> 6363  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6363  
agcccccca cccacccag tacttttaca atgtgttatt aaagaccct 50

<210> 6364  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6364  
ccatccttga gaaatgtggg caccaagtcc ataatctcca taaatccaat 50

<210> 6365  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6365  
tatgagttta tgcgttttcc cagccctccg aatcactgac tggggcgttt 50

&lt;210&gt; 6366

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6366

agttggagct atctgtgcag cagtttctct acagttgtgc ataaatgttt

50

&lt;210&gt; 6367

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6367

cgtgggagga tgacaaagaa gcatgagtca ccctgctgga taaacttaga

50

&lt;210&gt; 6368

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6368

gtggtttggc cagcatacac acttctcatt tcatttgatg tacacagcca

50

&lt;210&gt; 6369

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6369

gtgtgaagtg acagccttgt gtgtgatggt ttctgccttc cccaagtttg

50

&lt;210&gt; 6370

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6370

gtctttcccg tctttcttcc tcacctatgt aatttcagta gtctctcagc

50

&lt;210&gt; 6371

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6371

tgtttcgtaa attaaatagg tctggcccag aagaccact caattgcctt

50

&lt;210&gt; 6372

&lt;211&gt; 50

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 6372

gtggaaatca gcacacaacc acaatgacat ttaagcacag gatcattatt 50

<210> 6373  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6373  
agaatggcag acctgtttgc tgaagtgttc ataagataac aataggcttg 50

<210> 6374  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6374  
tgggattttg tttttaagtc atttggttg gggaggacct tgtttatttt 50

<210> 6375  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6375  
tggacaaact gacagggact gctttgaaag acaggtactc agttgagtat 50

<210> 6376  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6376  
aagcctgttt ttcactctaa aaattcaaga ggacacgcta agaacgatca 50

<210> 6377  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6377  
aggttccctt tcaaataaag ataaagaatt tgacttggga cactgccaga 50

<210> 6378  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6378  
ctgttcgaaa gttggagact gcctgtaccc aggttgatag tcaattgttt 50

<210> 6379  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6379  
agcagagtta agtttaaatt tccattctca ctagtttgtg acctttgccca 50

<210> 6380  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6380  
tgagtattgt tgtgggggcg ggtatgtctg tatataaatc tgtgcagcca 50

<210> 6381  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6381  
cccttgcaga tacatgagac aggcaggggc tggagtcttg ttccatcctg 50

<210> 6382  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6382  
gagtagttgt ctttcctggc actaacgttg agctcgtgta cgactgaag 50

<210> 6383  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6383  
gagtccaatc tacactctag tagtgaagac agaagagttg gcatacgagt 50

<210> 6384  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6384  
ggctgaactt actcattaag ccacataact tcgagtcaag ttccagtcca 50

<210> 6385  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6385  
gctctcaagc ctctccaat aaagctctat cgggaaacaa atgaaccagt 50

<210> 6386  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6386  
aggaatgcac acattgctcc aggatcactg tgaggattaa aggagatggt

50

<210> 6387  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6387  
agtaacggaa cagttcccag tactcctggt tcctaggtga gcaggtgatg

50

<210> 6388  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6388  
ggtgtgaacc atgagaagtt cgacaacagc ctcaagatca tcagcaatga

50

<210> 6389  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6389  
ggaggtgtat aggctgggat ttgaaaagga aaataatcag cgtggtgcc

50

<210> 6390  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6390  
cctagacacc tgcacagtc aaggctcatgg atattgggaa gacagacagc

50

<210> 6391  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6391  
tccagcagat ataggaagca gtgtatctaa acagacaaat aaaaaggcct

50

<210> 6392  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6392  
atctagtgtg cgagacttgg agtcaggcag tgagactggt ggggcacggg

50

<210> 6393  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6393  
tgggttaatg gaaaatgctc tggaaaattc ttttgcaaca gttcatcgct 50

<210> 6394  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6394  
cactaaaaga gtggggaggt gcagcacctg gctggggaac aagaatatgg 50

<210> 6395  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6395  
aaacgaatca cgtgcctcga aaggacata tattgttcct ttaagcattt 50

<210> 6396  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6396  
aagggttcaa tttcttcttt ggaaggatgat ggtaaggggtg tggctccaga 50

<210> 6397  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6397  
tggacaattc caagtccaag aggactgtct actttcgacc ttgtgtgatt 50

<210> 6398  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6398  
ttgtgttaac ctgttgtcca cgctaagata caaacttccc ggaggaaagt 50

<210> 6399  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6399  
tgtcacagtg ttctattatt tgcccgggtc ttaaagtgag agcatcctga 50

<210> 6400  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6400  
acaatgatat tgatgaggca cccagtcttt tcatttactc tgagtgaagt 50

<210> 6401  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6401  
agatcgagat cttcagtcct ctgcttcacg tgtgagcttg ctttcagtca 50

<210> 6402  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6402  
ggccagagac cctaagctgc ttaatacatt tataccacat cttctcagc 50

<210> 6403  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6403  
cccttggaat tacttggtca acttctttct ttcccactag acggggactt 50

<210> 6404  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6404  
ctttgtagat gcagagagaa gctataagaa accccagtac ttgccgggcg 50

<210> 6405  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 6405  
actgccacat ctgactttac agaataacca atgtaagtta aaatagagaa acag 54

<210> 6406  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6406  
agtcttgcca gtcaactcag actcaaagt agaactggga aggacagtgc 50

<210> 6407  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6407  
agcactgtgc agatggcttt agaagattca gaacagaagc acaatctgtt 50

<210> 6408  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6408  
agcactgtgc agatggcttt ggaagattca gaacagaagc acaatctgtt 50

<210> 6409  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6409  
ctatggagtc ttggaggaca ctggagtcac catgctaaca ctgtgcagat 50

<210> 6410  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6410  
ccctgtcacc ctctgtggcc agtgccagac agtaactagt ggatgctaaa 50

<210> 6411  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6411  
gagagaatag ggtagagaga ccgggacttg ggtagagatg accgggattc 50

<210> 6412  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6412  
agtgggaagct aggagaaata togaatgtgt tagggacttt gaagttacca 50

<210> 6413  
<211> 50  
<212> DNA



<213> Homo sapiens

<400> 6413

ctgcatctct ctttactacc agtgattaca aagtgggggtt tgggtgggagt 50

<210> 6414

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6414

tctctgactt cttattacca aggacactct atctgttgcc tcttactctt 50

<210> 6415

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6415

cagttcccg atgtgcgtgt tgtgggtccc aagtatcacc ttccaatttc 50

<210> 6416

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6416

aacgaccctg tattgcagaa gattgtagac attctgtatg ccacagatga 50

<210> 6417

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6417

gggtcccag cccttcaaga gctagattta ctcaagtttg ttcccttgcc 50

<210> 6418

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6418

cactgaagcc aaaccacaga agacttttga gaatgaggag acaaatgagt 50

<210> 6419

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6419

aggtgaaaat tactcttcag aagatagcag agtggataat ggcccatcga 50

<210> 6420

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6420  
tgcagtgaga ctacatttct gtctaaagaa gatgtgtgag ttccgtcctt 50

<210> 6421  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6421  
tccagccagc cagctcattt cactttacac cctcatggac tgggattata 50

<210> 6422  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6422  
tttcatacat tggaactcca cctgactttg gaccaacccc agaacagagc 50

<210> 6423  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6423  
agcacccgaa tacaaaaatg atactatgct gccctectag atctcaggga 50

<210> 6424  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6424  
tgcccataca catgagtatt tgtctaaaac atgtcttctt tgtagcagct 50

<210> 6425  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6425  
gcaaactctaa actgcaggaa aatTTTTgca cccgaagtat tcagatccct 50

<210> 6426  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6426  
ggcccagtcg taatgtaacc aatgatgccg tgctgatatt ggaaaccata 50

<210> 6427  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6427  
ggggaagaac aagataatct agtgacctca ccacagtcta tgcccaggcc 50

<210> 6428  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6428  
aattcaactg aaggcgagga atgttggtga tgaagctgag atcaggactc 50

<210> 6429  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6429  
cacctataatc gaaagtttgg gctcatctcc cattgggtggc aaagacctcc 50

<210> 6430  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6430  
tggtggaaaa gtgtgtctgt ctgacaatta cactcaagtt tacctctggt 50

<210> 6431  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 6431  
acgataatac tggttggttac tgccataaat attggaagct aatgtaaaat gca 53

<210> 6432  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6432  
ttctcttata aaggacagca agttttaaata ggagcaagga gcattggaaa 50

<210> 6433  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6433

tggccaaaga atagaagctc tagaccttcc ttattttctat cgtgaaaaca

50

<210> 6434

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6434

acatgacctg tgcagtgtgt ggctgtgaat tctgttggct ttgtatgaaa

50

<210> 6435

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6435

tgacataact accatccctg caactaatga acccaccctc acagcttcct

50

<210> 6436

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6436

gaatgacata aaccccctcc ggtctgaggt ccggccttcc agcttgtctc

50

<210> 6437

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6437

gccttttctca ctccatcccc acccaaagtg ctcagacctt gtctagttat

50

<210> 6438

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6438

tcgtttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat

50

<210> 6439

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6439

tgttttgttt tctgaaacga aatcctgctc tgttggccca gctagaacgc

50

<210> 6440

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6440  
cagaagctgg atgacgttgc tccatcttca ctctgttaat gagacatgat 50

<210> 6441  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6441  
cacatcttcc attcagccct accatgaaaa ccgtacctcg ggcgcgacca 50

<210> 6442  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6442  
aatttgcttt aaattgagtt tccttgccat tgcacactcc tatctttctg 50

<210> 6443  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6443  
cagatgacac gcgctctcca ccacccaacc caaaccatga gaatttgcaa 50

<210> 6444  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6444  
cccattgctgt tgattgctaa atgtaacagt ctgatcgtga cgctgaataa 50

<210> 6445  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6445  
gacacagaca gaccaagcta tagtcagacc tggttacaca catacacaca 50

<210> 6446  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6446  
tggcaaagat cactgaaatt taggacacca aagctaaaac cccaaatgct 50

<210> 6447  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6447  
gcttgtgctc gagaccgctt gctatagaaa cgctgagctg ctggtttatg 50

<210> 6448  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6448  
ctggttaaaa gcccattac tgaccttcgc cgccaccacg cctatcacta 50

<210> 6449  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6449  
gcattcacct ctttctctgt ctcatgtgtg ctctttcttct ttctacagta 50

<210> 6450  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6450  
ttaaattctat caagaattca tccaaattgg taccctgccg ggccgcctcg 50

<210> 6451  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6451  
agtgtgttat tgactttgct cggcagtaga tgaagctatt ctgaacccaa 50

<210> 6452  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6452  
tgctggacaa agacaatgag atgattattg gtggtgggat ggctgttacc 50

<210> 6453  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6453  
gtggaaaagt cactaccagg ctggcaggga atggggcaat ctattcatac 50

<210> 6454  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6454  
aagggacagg gagcggggcac aaaataaaac ttagtttggt agaaattata 50

<210> 6455  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6455  
tcaaagcact ggagatgaga gccaggatgg acccgaaaag aattttacag 50

<210> 6456  
<211> 56  
<212> DNA  
<213> Homo sapiens

<400> 6456  
caggaaacatg gctgcagcat ataaaaagaa ttgaattcca tacttttggt aaccct 56

<210> 6457  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6457  
ttgccataac cacgcttgta gattagttca tttactgact tcagattggg 50

<210> 6458  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6458  
ttacaggcaa ccggagcatc caatcacctt tctctaagag agtacctcgg 50

<210> 6459  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6459  
aaaagcatct tcgagaggga ctgtcaattc tcgactatct tccaaccgcg 50

<210> 6460  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6460  
aagaaggagc ttaatgccag gaacagattt tgcagttggg ggggtctcaa 50

<210> 6461  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6461  
agagacacct aaattacaga tttgtgagct gagagctgga gtttttcatt 50

<210> 6462  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6462  
aacagcaaag agagttacga attacgttac ttccagatta accaggacga 50

<210> 6463  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6463  
agcgcaagat agatttgga taggaataag ctctagttct taacaaccga 50

<210> 6464  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6464  
gcatggacaa gatgccaaagg cccggatgct ttaggatgaa gttcttatct 50

<210> 6465  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6465  
cctccagtca ccatacacag gttaccagtg tcgaacttga tgaaatcagt 50

<210> 6466  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6466  
ccaaacatct ggacttgta ctgtaaaagg ggaggaggta gccaatgatt 50

<210> 6467  
<211> 50  
<212> DNA  
<213> Homo sapiens



<400> 6467  
ttatgggtggt cgggggtgggt ggtagttcaa tgggaggtat gggatttatt 50

<210> 6468  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6468  
agctgtctgg ctcaaagatc tacattctga agttggctgg aaatgtcttg 50

<210> 6469  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6469  
ctggttccta ccagtgccag tgccttcagg gcttcacagg ccagtacctc 50

<210> 6470  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6470  
tgacacagac tgtttcaatc ttggagcagc gactgacttt gacagaagat 50

<210> 6471  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6471  
tgctatttaa agcaccatga taaatatgag,gccacttgga aatccatcca 50

<210> 6472  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6472  
gcaggcgatg ctctataatc taaaatgtat ctctctttcc ctaagctgaa 50

<210> 6473  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6473  
aagtaagacc acctgtgaac ttgatcatta tctggcgcac ataggaagat 50

<210> 6474  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6474

gctggggctg ggaattgcgt gggctaattgt gtcatttgac ttaagaaact 50

<210> 6475

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6475

tttgggaaga accgattgct aaattatgcc taattcatgt cagaagaggg 50

<210> 6476

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6476

aagcagtata ccatttatat agcaaacagc cagtggccag ttcactgtat 50

<210> 6477

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6477

ctgccctttg gtagtgagag gaccacgcca atgatgcttt taagtaacct 50

<210> 6478

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6478

catttcttca tctctaaggc acacttgcta cccctctttg ctgaccccag 50

<210> 6479

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6479

gcctgcgtgt ctgtctcagt gtttcttggc cctcctctaa gtactctaaa 50

<210> 6480

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6480

aatcctagac atgtgcttgt cattgctccc atgaaggtag ttttcaaaca 50

<210> 6481

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6481  
accaatagag aagaagctct agaagacaaa atcccaaacc ttggcacaaa

50

<210> 6482  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6482  
ggcttcaaca gaaacatcaa atgccaagac cagtgcagaga gcgtcaaaaa

50

<210> 6483  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6483  
gcaagccac taaaataaac atctaaccag catctttccc ccattatagg

50

<210> 6484  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6484  
atggatctgt tcctctgtgc taaatgtctt gtggcagggt gtgtttgtgg

50

<210> 6485  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6485  
gccgtaatgt ctgaggatct ctaataatag aggagggtgag ttgtgggtgc

50

<210> 6486  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6486  
aggcactcct caaccagtgt tcaactgaatt caactgctga aattgtaaca

50

<210> 6487  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6487  
agagaggggt ttaagggagg gcttgtgaat acttgggaga atacggaagg

50

<210> 6488  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6488  
atgaatttga agacatgggtg gctgaaaagc ggctcatccc agatggctgt 50

<210> 6489  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6489  
ttccacagat aggtaagcca ggcgcggcaa gatgagactg tattcagtta 50

<210> 6490  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6490  
tcttgtccta gtcattgtgg caaccccatc tgacaccttg ttagtagacct 50

<210> 6491  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6491  
ttctggcaag ctcttgtcat ggtgttcgac acttccttct gtcttcttgg 50

<210> 6492  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6492  
tttcaacatg gctagatcca tcagaaactg aaggcgggga gaaagctctc 50

<210> 6493  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6493  
gggtactcaaa ggaaattact ctttctctgg aaccctggca gaaagtttta 50

<210> 6494  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6494

atccttccta ccttttatta tgaaagtttt ggtacctggc ccggcgagcg 50

<210> 6495  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6495  
attaaggttt ttaacatcta ctttgggtga tggagccttc aatgaagtca 50

<210> 6496  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6496  
gaaagactac gaatttcgct gggaggtaat agggaagcct tccacataaa 50

<210> 6497  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6497  
aatgaggtc agcaataacc ttgattcgtt cctccactgg caacatttta 50

<210> 6498  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6498  
cttctctccc tgtaaccagg cagtgtgtgg gcgggggtca gaacatatct 50

<210> 6499  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6499  
gttgccctga tctggaaatc ctgttgcttc ttctgggatg aaggaaacctc 50

<210> 6500  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6500  
taagataacc cacaggcact tctgtcata aagccaacga cacagaccag 50

<210> 6501  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6501  
atgggaacag gatgttaa at acacacatac atacgcacac aagcgttggg 50

<210> 6502  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6502  
cctctgctat cactagagaa tgtagagaat ggaaatggct gcctttatgc 50

<210> 6503  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6503  
gatacagatg tgattattca gcctcaagg gacttctcca ttgcgtaacg 50

<210> 6504  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6504  
ttattgttac caattagaat cagcaattca actgtgcggt gatttggcct 50

<210> 6505  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6505  
tcatcacttg ggttaactaa aggtttgcgt atcacacaat tacactacaa 50

<210> 6506  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6506  
ttcatagtca aacaaaagg aagatcatgc atataccac ggcaacaagg 50

<210> 6507  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6507  
cccacccct tcccctccat gtgaagattt ggggtgctta catatcattt 50

<210> 6508  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6508  
gggagacatg ctgattccac tcaaagatct cataataaac agctttggcc 50

<210> 6509  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6509  
aaataaattt ggaatgggac attgtgctgt ttcacottca atgctgttaa 50

<210> 6510  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6510  
agaacagtct tgggttcagg ggtgtgatgc cagaatgtat ttctgtacct 50

<210> 6511  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6511  
aaggcgaagt caatcccatc tccctgaacc caactgccag taggtagttc 50

<210> 6512  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6512  
agttaaactg ttgggtgaggt agtgtgtcag gtactctgta tattagctct 50

<210> 6513  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6513  
actggataaa cagaacggat caaagataaa agtattcttg ttgcctgggc 50

<210> 6514  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6514  
gtcccttagg ggagggagag ttgtcctctt tgccacagt ctaccctcag 50

<210> 6515  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6515  
actggactac tgaacttttag aatactgtcc taaggaaata ggtctgggca 50

<210> 6516  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6516  
caaacaacaa aagtggcctc catcgctgtg agcctctcaa gggacagggc 50

<210> 6517  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6517  
aagggtggctg gcttttatga tacagtgggt gtaatgtagc cctttttggt 50

<210> 6518  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6518  
tgctcaattg ccatacatgc actataggcc gggatagaaa atcgtcagct 50

<210> 6519  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6519  
ttcaaggatg tgactgatat ctggtgtggt ttattttggt tgttttgggg 50

<210> 6520  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6520  
agcttttgaa atttgaacaa ggtggggaca aaatcaggca ataacagact 50

<210> 6521  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6521  
cacttctctga gtgtttctctg agaacaaagg atcagagctt cggctgtgag 50



<210> 6522  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6522  
ttttcctttt cgctgacttt ccactcact gtctgtctct cattttctct 50

<210> 6523  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6523  
gcatgggaat tggctgtcat cactcatagc acggtgtata aactcaagga 50

<210> 6524  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6524  
gtccactcaa gttacctggc tgtctatctt ttggtgacc cctgaagcga 50

<210> 6525  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6525  
ctaagtaagc aaagaggcag aggggaggag gggagtgttt ggtactgtcc 50

<210> 6526  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6526  
tggtgcggtg ttcattgatta ttatgcaggg tggaaagtca gtatttggtc 50

<210> 6527  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6527  
agcacatttg tgcagaaagg ttttgcaggc atctgaggca ctgctcacct 50

<210> 6528  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6528  
agaacaacac gggattgaag tgggaagaga tgggaccctc attggatctg 50

<210> 6529  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6529  
ggaacaatag acctcttcac tagctccctg ctgtttgatg gtttggttgg 50

<210> 6530  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6530  
agaggatgac tttgaggtaa atgtttacga tgcacggttt taggcgatgt 50

<210> 6531  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6531  
gtgtcctggg gaggtaggag aggtggagta gactctgaga ggagtgaaaa 50

<210> 6532  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6532  
agatcatgtc tggatttgtt ttcctattac ctagagacga acacagatct 50

<210> 6533  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6533  
gtgtcccagg acgagcggga gtgcaccatg gacctctccg agttcatgaa 50

<210> 6534  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6534  
tgtatggctt atagccagag atgaaacaga acccaagtta atattgccag 50

<210> 6535  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6535

aggtttcaga atctgggcct tacctttaca ggttcaacaa aagaatggca

50

<210> 6536

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6536

aagatgagggc gtagctcatg tacaaatgca gcattctcat aagtgcctta

50

<210> 6537

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6537

agatagtggg atttgggtgc tgggcttgct tgaactgagg aggtgggtgc

50

<210> 6538

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6538

ccttgacca gagacgactg acatatatag atgggagtc ctcatgcgct

50

<210> 6539

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6539

gggttagcgt gaagatctgg acagcgact acgaccggg ccactgtttc

50

<210> 6540

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6540

agaagcaaac ctgtgaagct actatcgttt atcatcagtg tgaatgcact

50

<210> 6541

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6541

tagtgataca atttgggtg ccagagggtg ggggtaagga attttgaagc

50

<210> 6542

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6542  
gtgtggccta aggaacacct cttgtgggga gtaagagcca gcccttcctc 50

<210> 6543  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6543  
agatgcgggc gcaagcttat gtctgttat gagggtttaa attagattgg 50

<210> 6544  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6544  
tcataacgcc cttcaaaaca ttgaataaaa tcagtgc aaa acattgagca 50

<210> 6545  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6545  
tgagaaagga gttagcagaa tattaacata ccgagaagct gttgttagca 50

<210> 6546  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6546  
ctggagactc aggtcgctta agtggagggg acgggcacag ccattcctcc 50

<210> 6547  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6547  
aaagacctgc cacttat tttt tggctctcat ctgtactctt aagtgtgtgt 50

<210> 6548  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6548  
agacacagct gcagaaaact tattcttttc aagcatgcac agtcacaaaa 50

<210> 6549  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6549  
cattcaacaa cacaaaccga gcacctactg tgtgccacgc cacagacaag 50

<210> 6550  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6550  
cctaggaaac acaggtcaaa gaaacacagt ccaacatgta ttcagaattc 50

<210> 6551  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6551  
aaacgcaatc tatttttaggt ttgagattag aagctgaggc caaggactca 50

<210> 6552  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6552  
tcctccagat gcatggtccg tgaagaaatt taatagcaaa gacgagaaga 50

<210> 6553  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6553  
ggctctcatg cttatgccac acatccttga ttctgcttag gagtctctgg 50

<210> 6554  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6554  
aagcctgagc taacaagagc tgaggacagt agcttattcc tctttatggg 50

<210> 6555  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6555

tggatgatgg gattggataa gcatgtggac tggatttgtg tacaaactct 50

<210> 6556  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6556  
tgctgtttct aggattaaca cgaaatcatc actttgccat attttgagct 50

<210> 6557  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6557  
ggctcagcac aaaagagaat tcgtagcact ttcattgtgaa agcagaccca 50

<210> 6558  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6558  
gatattaagg tactttcagt acaaactctgg tgctgtgagt gggctcatcc 50

<210> 6559  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6559  
tccagtttct cataaacaac ttcttctatc ctggcatttg gatttgggtt 50

<210> 6560  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6560  
tcatggatcat agctgtaacc tgtgtgaaat agtaatcaga tcaaaaagcg 50

<210> 6561  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6561  
atatgtacct ggagggcgga cgatcgaaat tactagttaa ttagcggcag 50

<210> 6562  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6562  
tgcgagtgtgta atttctgtaa ggagggtatg ggataattaa tagcacgcct 50

<210> 6563  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6563  
gccccagca ttcaattcat tttgtaccct tagtttaaag aacttctccc 50

<210> 6564  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6564  
aactttgctt tctgaagggt ttggtgtacc tcgggcgcga acacgctaata 50

<210> 6565  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6565  
attgactcca ctttgtgccg agctctgcgg gtaggcataat ttcataatctt 50

<210> 6566  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6566  
cagtggagaa gctgcactgt ctccgggctt gtgtgatccg atctctgtac 50

<210> 6567  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6567  
agctttgaaa gtaatgtcta accctgctgt cagtttatca caagtgcatt 50

<210> 6568  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6568  
agcttaattg aattggagga gcaccgaaca ggcagtttcc tgagcagtgg 50

<210> 6569  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6569  
gctctcactg atctctcttc tctatctctt tctgcagtta taccagcact 50

<210> 6570  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6570  
tgagaagagc tgtgaaggca gaggcggggc aagtgcaaag gtcctgactt 50

<210> 6571  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6571  
aactccctgt tcagttcagt tgctaattgat ctcaagctct tccctgatta 50

<210> 6572  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6572  
cagcctaattg cctaaccaca cagataccat tgggtgggcga cgtgacccag 50

<210> 6573  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6573  
caccatcttt tgctcggata ctagcccgca ataccactc acctaccacc 50

<210> 6574  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6574  
agggtctcca ccttacagaa gtacatgaac aaccagagat agcagggctg 50

<210> 6575  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6575  
accaggaaaa gtaaaaatca tagttggtgt ctctcgggtt tctcaccttc 50



<210> 6576  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6576  
atgtatgaga gagattcgag atgagttaaa ggaggggaagg gaggggtggt 50

<210> 6577  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6577  
catgagtatt ggcactgggg ttcaagttcc agggcagagc aggataagag 50

<210> 6578  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6578  
ctcctggggc tggagtcctg gtctgccttc tggggacaga gattaggtcg 50

<210> 6579  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6579  
tggaacttca gtcaaaaaca tctgtacttt gtacaggaca aagatttggc 50

<210> 6580  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6580  
atagaacttg ttttacctat gagccttgcc ttgtatttat tcactgtggc 50

<210> 6581  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6581  
acatctcttg tgaaagttca aatgttacag caaggtgtaa acactccact 50

<210> 6582  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6582  
gggtgaatta atcgggagat gggtagtcag ggcaaatgat ggggtgggttt 50

<210> 6583  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6583  
tgcaattgtg gagacaaatt gttagagttt aaatcctggc tctgttcctt 50

<210> 6584  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6584  
ggacctatgt cctcaagaca tggaaactac tagttctgtc gtgccaggag 50

<210> 6585  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6585  
aattaaggat gccctaccga catctatcag catacctgga acaggttcga 50

<210> 6586  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6586  
cggccaaccc aggagggcag gtgttttggg catctggttt atagtacctc 50

<210> 6587  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6587  
gctggggtga aaacttgaag actcagacct cagtggaaac agatgaatgt 50

<210> 6588  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6588  
ccccaggctc tgtgacgctt gaaattctaa ttagcgcaga aaagggctaa 50

<210> 6589  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6589  
cctgactacg tgttttcccc acagacatca cactgggttca cctcgttgaa 50

<210> 6590  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 6590  
aatggaaaga cacttctgta tacactggaa atctcaggaa atttcttttt tcc 53

<210> 6591  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6591  
gacagtacag taccctaaga gcactgagga gggccacccc acgtgaactc 50

<210> 6592  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6592  
tttccttga gatttcaggc atcttaggcc ggaagggacc tcgaagggtgg 50

<210> 6593  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6593  
ctccgcttct ttcactcatt cgtttagtgt ttctttaage ttgccttgt 50

<210> 6594  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6594  
tccacatttt gatcatgcat ttatgaaagc cctgggtttg ttattgagaa 50

<210> 6595  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6595  
gctatcttct gctgaatcag cgtaatgctg atatacacc tattttctgt 50

<210> 6596  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6596

aaaagaaaag tttttcaacc cagggaattt atagtgggtg tcagtcgaga 50

<210> 6597

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6597

aggagacgat gtagggggaa gtgtgttaga ttgtaatgga ggggtttgga 50

<210> 6598

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6598

gctctttccc agaccagcc gccaggttct ctgtagaaga aaataaatgc 50

<210> 6599

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6599

aaggaggaat gggaatctca agctcaaggc cactctcact aattgtgggt 50

<210> 6600

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6600

aaatagccac cttctcccca ttttctgtca gaacacacac tttatatcca 50

<210> 6601

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6601

tttggtaaaa gagattggag gggacaccag ggaaaccagg attttctggc 50

<210> 6602

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6602

aagtgtctag gcattctcta aactatcttt ccagctccgg gcgacaatgg 50

<210> 6603

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6603  
ccactctcta agtcaagcga gtccttcctg catacctgta ctgggtgctg 50

<210> 6604  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6604  
ggactttgca ggcttcattc cctgtctgtg tcttttcctt ctgggtgtgtt 50

<210> 6605  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6605  
atttgctggc caatcctgct gactatgaat ctttgggggc actgagttac 50

<210> 6606  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6606  
ctgggggtact ggggaaaagg aactggtatt gagattttat atttggggcg 50

<210> 6607  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6607  
ttgagtaagg ctcagagttg cagatgaggt gcagagaaca tctgtgact 50

<210> 6608  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6608  
ggtcacagag agaaatggta gctgaagaag cagggcacga gggctctaac 50

<210> 6609  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6609  
tttccggtat attcgtgtgg gttgactttt tgtgtgtgtg gttgtggtgg 50

<210> 6610  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6610  
ggatctcttg ctctctcac ctgtgtgaca gactactaac agcccaactg 50

<210> 6611  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6611  
acagtgtggg acagaagagt gctcagtgat taaatgcctg ataatagatt 50

<210> 6612  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6612  
ctctctcgca atttacaacc gctttcagta ccattcaccg tcactcctct 50

<210> 6613  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6613  
ctttggggag tggagttggt gtagatgggg agagaatcag aacaaggaga 50

<210> 6614  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6614  
ccttactgct tacggtcatc ggtcatcagc ccaaccgcgt tggtaggtg 50

<210> 6615  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6615  
agagtataat ttccccagtg tggagtgggt agtggtgcta aagaagaggt 50

<210> 6616  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6616

ctgatgtcgt gtctgcactc acctgggtcat gtgttctggt gtgcggtagt

50

<210> 6617

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6617

aggggcagag aagaatccac actcacaaga gatgaccagg agtaaaactg

50

<210> 6618

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6618

cccagcagag gccacaagc agccataccc aaacttcagc caaaataaaa

50

<210> 6619

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6619

tgtgcaaata cggcgagaag aagtgcata gaaagtgctt tataagctgt

50

<210> 6620

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6620

ccagcttttc ctttgatgtt agttagcagt aagtcacagg tttgagcccc

50

<210> 6621

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6621

ggcacgcatc ctcattcctg catgctctta gaatatctat caatgatcat

50

<210> 6622

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6622

acttctatac tcagtgcgct gtgggtaacc aagcaagcag gtttggtgtc

50

<210> 6623

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6623  
gcgggatggt gggaagacag aactgcctt agagcatgaa taattgaaga 50

<210> 6624  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 6624  
aggtagacta tttagctgga agcatccaaa caggggattt taaaaatact ca 52

<210> 6625  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 6625  
aaaatgtagg ttaaaactct cacttaagaa ggagaagatc tgagtaaacc ca 52

<210> 6626  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6626  
acctgaacaa tgaatgaaga aaggaagact tggttcttct agctctggac 50

<210> 6627  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6627  
catggctcac aagctctaac actccctcc ctccagatcc taagaagaag 50

<210> 6628  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6628  
tctgagcttc acttcaagaa ctggtagtcc aaaagaactg gttcgttcag 50

<210> 6629  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6629  
acttactca ctttttagcc tgttcatatg agcttgtcag tgcttttgtt 50

<210> 6630  
<211> 50



<212> DNA  
<213> Homo sapiens

<400> 6630  
tgaggaggat gggaggcgca caggcaattt agctagatat agaaagagaa 50

<210> 6631  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6631  
agctgatttg gattcttgcg gtttgcacgc gtctaattta tcaagtgtgt 50

<210> 6632  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6632  
tccatccttg gaagcttgac aagcattcac actactggct cacctactat 50

<210> 6633  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6633  
tagcactgta gccagagtcc ctgcttgtag caggaagctg ggtggtggtt 50

<210> 6634  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6634  
tggatagtca gaattacgtg ttttgtggat tggggaggga ggggaggaaa 50

<210> 6635  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6635  
gcactcctgg aaccttctca ctaattcggg gaccagtttt gtgaatgttg 50

<210> 6636  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6636  
ttgctgcgga tgacctgact gagccctggg agactgtgct ataactctctc 50

<210> 6637  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6637  
agaaggagga tctgttctaa acatctgcga ggggaggaca aagcattgaa 50

<210> 6638  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6638  
cttgcatctg agtgaagatg aacctttctt tcccagccct gagagaggga 50

<210> 6639  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6639  
gtctagctgg caggtgatgg atgaatggat gagctggcag accaacagaa 50

<210> 6640  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6640  
tgcatggaaa tgtttcgagt acggggaaaa taaggagacc aaaactgtgt 50

<210> 6641  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6641  
ttttaagggtg tgactcaatt tacaggcatt ctgtatTTTT gcgatttggt 50

<210> 6642  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6642  
acctttggga gaaagtctta caactacatg aaatgcagat ttatggactc 50

<210> 6643  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6643  
gaagggacag aacaatcaac tgtgagagat gggaagaaaa ctcaaatgga 50

<210> 6644  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6644  
ctagtttggg gactttcatt gggcacgtga atccaggagg gctgaatttt 50

<210> 6645  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6645  
ggcccagatt gtagacagca taaaaataat tttgggcttt tcctgttaaa 50

<210> 6646  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6646  
ctgggcttct tgtgtgagaa gcaccgcagc caagaacaac cagtgcaact 50

<210> 6647  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6647  
gaagggggat tcggtgatgg ggggaagccaa gggacaaggg aaaaaggaaa 50

<210> 6648  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6648  
aaccacaacca tgaaaaagaa gaagctcttg actacggcca ggcgtgggag 50

<210> 6649  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6649  
tggctatttg agttttctct tacatgaaat gcctggcaac gtacactggc 50

<210> 6650  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6650  
tgaactctga ttccgccga aactaggagg aaacacccaa aagaagacgg 50

<210> 6651  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6651  
tttgctggga ctaaaatcaa aactgcactg cagagcaggt gagggttcat 50

<210> 6652  
<211> 58  
<212> DNA  
<213> Homo sapiens

<400> 6652  
tggagagtgt gtgtattacc atttttttac attgcatcac attttaccat ctatatct 58

<210> 6653  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6653  
tttgaagccc ctcatagaga agagactgta ccataagaga agcccactca 50

<210> 6654  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6654  
aactctcagt ccatgagctt gattactcca ttgtaccatt tggaagccca 50

<210> 6655  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6655  
gtgggtagcc attaagtggc ctggcacaga aagggacaag tagcttcaag 50

<210> 6656  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6656  
ctgggtgctga gtggagtcac agtaaggctg tagatggagc gccctgggaa 50

<210> 6657  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6657

ttttgatgtg accagtcgtg catggcgggg gacaggagct tagggggaat 50

<210> 6658

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6658

attatgcatg tcgaggggac aacttttatt aaacaggagg ggtgtgtctt 50

<210> 6659

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6659

tggatcatgtt tccctcttta ctccacgaca gtttcattat tgtaaccagg 50

<210> 6660

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6660

ttctgttggt tatatgaatg gcagttattg tctccagtg tgtgggttct 50

<210> 6661

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6661

agtcctggca actttacctg ggaattgtct gtaatcttta agcagtggcg 50

<210> 6662

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6662

aggacttacc tagctttcac agattcagag tgcgtttcaa acatcattgt 50

<210> 6663

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6663

tttaacaggc ttatctagga cataggccca agaggaggga ggaggaaggc 50

<210> 6664

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6664  
ctccaggccg aacgagcctc cactctggat taagatctgt catcttgaca 50

<210> 6665  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6665  
gcaggacttg tggcaggact caacgggaga gaaagaggct gaaacataaa 50

<210> 6666  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6666  
aagaacatcc caacttttcc ggtaggcaag tgtcaagtca cctggacaat 50

<210> 6667  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6667  
tctgtggctt gttgtgggac cctgcgccct ttaaattagg gcatatttta 50

<210> 6668  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6668  
gcgctaaaaa cctggtgatt aaatgacaaa cagaacgtga gaagagattt 50

<210> 6669  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6669  
tcctgcacac aacaaataaa gacaagaata aagggccacc catcagtagc 50

<210> 6670  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6670  
atgttggtta aattaaacat cataccacat gggggcagct accaattttt 50

<210> 6671  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6671  
taatatgaaa agctggaaaa gaattaaggg gttgaggaga cgtgccgggt 50

<210> 6672  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6672  
gttaccctga cgaatgcagt cctcgtgtgg aatgtctatg ccctcttgag 50

<210> 6673  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6673  
acaccagcag tcatagggga aaggggaata cagttaattg ggtatttggt 50

<210> 6674  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6674  
actccctccc atctctggtc tttagttgga agcaagcttt cggacaacgg 50

<210> 6675  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6675  
tccaacaagg gttacggcag aatttatgcg aaagtcttct ttgggctaaa 50

<210> 6676  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6676  
ttgttctgct caggccaagg attgttgtgt gctctgtatt tgctgctttg 50

<210> 6677  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6677

ggcccggcat gtcttcgttt tgtcagtcct catccaatcc atcttcatat 50

<210> 6678  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6678  
gtgggttttt agacacctgc agcaagaaga aatactgact gactaggcat 50

<210> 6679  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6679  
ttttaagaa aaatctatta tcttgagca tggatggggg aatgcgaagg 50

<210> 6680  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6680  
cagaagaaac atggcaaact gctctgtgct ttcaaacc aa agtgttcccc 50

<210> 6681  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6681  
gttacttaag atcagtatgt gtggtgcata tgtgatttcg accattcagt 50

<210> 6682  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6682  
gagaatttcc gtctgatcta tgacaccaag ggtcgctttg ctgtacctcg 50

<210> 6683  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6683  
ctgggttaat actcaccaac ttgagaagg ttggtctctg ctcttctgta 50

<210> 6684  
<211> 50  
<212> DNA  
<213> Homo sapiens



<400> 6684  
ggaaagacag gtgagtgtgc cacaactacc taacacatca gcaaattctgg 50

<210> 6685  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6685  
gtcacttttag cgagcgggaa aacaatggcg gaaagggaaa acctggaaag 50

<210> 6686  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6686  
cgataagctg tgggtgttggg agtgagagat gttactttgc gaattgttcaa 50

<210> 6687  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6687  
aaaggctagg tttgcgaaag cccttctaaa actatgcttt ggtggttact 50

<210> 6688  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6688  
ctgaccctgc cgggcggaag ataaaacaaa aacgagaaga acaagcaaga 50

<210> 6689  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6689  
aagattgtaa aaatacatTT taggctcaag agttccaggg gtttcagagc 50

<210> 6690  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6690  
tgcaagctgg caccttcacg tttatTTTTa aagggttca catcaaagat 50

<210> 6691  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6691  
aaacaaagaa ggaaaatgaa gagggggaaa agatgaacat caggctgggt 50

<210> 6692  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6692  
tccaaaggat gttctgggtg tgcagcatga tttctgggtg tagtctttct 50

<210> 6693  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6693  
tttgtgggtg cgtgagaggg gatttatact ccttgagcca tattttgtga 50

<210> 6694  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6694  
gggttcacag catgggtgga ggtaagtagt attctcattg gttggtagt 50

<210> 6695  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6695  
gacagtgaga agaatatgga gtagagtcct tttggtcttt gaggcggtca 50

<210> 6696  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6696  
aacagctgaa gaacaagaag gtgagctctg aatgcgtcag gtggtcattc 50

<210> 6697  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6697  
ggctgaccag tacaggcttg ggaattttat ggttgggtgg tttctaccaa 50

<210> 6698  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6698  
gggggagcta tattactgat taaaaccacc atttcttcac ccaacttatg 50

<210> 6699  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6699  
aagtcttgta ttatgaggta ctggggctct gggggatatt gagatgagaa 50

<210> 6700  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6700  
agtctctgctg aatcattggt ttatagaaga ctatctggag ggcctgatag 50

<210> 6701  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6701  
ggagcttcca gtctaataga aaagatgcac ttacgaatag actttgggta 50

<210> 6702  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6702  
tctgtgctct gtggaccctg caccctgagc tcctcagttg ctgaaccatc 50

<210> 6703  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6703  
tgctggcatg tggatagact ttagcaaagtg gtagtcatct tctaatttct 50

<210> 6704  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6704  
aatgggaatc ttaaggcctc tctggaaagg gtgtgagggg gtcgaggggg 50

<210> 6705

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6705

tgcatattgt cactgactgg ctagggctct taaatttatg aaaccttaca

50

<210> 6706

<211> 52

<212> DNA

<213> Homo sapiens

<400> 6706

gtcagcaact aaaaaggag atatcttta gagagactgg aataagcaac tc

52

<210> 6707

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6707

ggaaggactc aaactggcca taaaggcaat acggcatgtt cattacacca

50

<210> 6708

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6708

tttgttgact atgaaatagt ggtcctgggt ttaactcttt ggggttcct

50

<210> 6709

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6709

aattatattt taggctgatg tgggtggtct gtaatgtct catttaccac

50

<210> 6710

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6710

ctgtgtttct gtatgggtatt gcatttgtcc cggcctgttg ggtttgggtg

50

<210> 6711

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6711  
ttcatgctca ttaggacatt gaacaaatgg cagagtaaga aagtttggcc 50

<210> 6712  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6712  
gggaatggac tcatatgcaa gattgctgac ttcggattgg cccgattgat 50

<210> 6713  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6713  
caacacatgg gacgggaagg aaatccttcc gtgtgatttt gttaaaaata 50

<210> 6714  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6714  
cagccacctc ctcaggtcag acaagcccag cacccaaata ccactatctg 50

<210> 6715  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6715  
ggcttcctca ttacctccca gcgaaattcg tagtctttct ctatggagtt 50

<210> 6716  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6716  
tgctgatgtg ttaggtagtt gtggcacact cacctgtctt tcctaaatgc 50

<210> 6717  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6717  
ttcatgctca gcaaaacaac gttttaggat ggtgagagaa gacaaagtaa 50

<210> 6718  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6718

tattaaccac tcacgggagc tctccatgca ttggtattt tcgtctgggg

50

<210> 6719

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6719

ttacctgctt tgcattgctct ccattcgtcaa agtcttctgg aaacttaggc

50

<210> 6720

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6720

ccccacccca acacatacaa acgtttccca ccaatccttg aactgcaaaa

50

<210> 6721

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6721

ttcaaggtcc caatacccaa ctaactcgaa ggaagaaatg gaaatctatt

50

<210> 6722

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6722

tgcacagaac tcttacttac atgtctcacc gaaactccag aacaccgtcg

50

<210> 6723

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6723

tgcattgtatc ccggttaattc aaatccaatt tcacagccac tgctgaatat

50

<210> 6724

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6724

tacaggaaaa tgaaactaga cgggtggggg aactagaat gaaaaccagt

50

<210> 6725

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6725  
agtttctgct ttcagtgact gaggtttgc tttaacctgg tgactcccaa 50

<210> 6726  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6726  
tcccacttca agttaagcac caaagcaatc actaattctg gagcacagga 50

<210> 6727  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6727  
catggatggg ggcagtgggtg tttctagtgt gtgaggaagc agagcagatg 50

<210> 6728  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6728  
tcaccacaga tgggaagatc gtttcctgaa aacagtctat aaatcacaga 50

<210> 6729  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6729  
cagacgctcc agtgctgccg aggttagtgt gtttattaga cctgaaatga 50

<210> 6730  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6730  
ccctttaggc ctcttgcccg aacagtgaac actaatagat atcctaagct 50

<210> 6731  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6731  
atggggatca tgttttattt ttctctatat aatgggccag tgtgttccca 50

<210> 6732  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6732  
agctgtagac cataagccac cttcaggttag tggtttggga aatcaagcaa 50

<210> 6733  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6733  
tgtacttatg cttgtcttct ctacctgccc ccagtcttga agtgggtggaa 50

<210> 6734  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6734  
ggaggggtgtg ggaagcaaga gaagaacatt ctgttagggg cagagaagaa 50

<210> 6735  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6735  
gcattctccag ctttcatagt tacccaactt gtaaaccaga agatgtgctg 50

<210> 6736  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6736  
ggccagtgcc agacggtagc tagttggatg ctaaaggttag aatttagata 50

<210> 6737  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6737  
ggcattgtag gttgacacca gcaaagactc agagtgactt gagcattgga 50

<210> 6738  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6738



agccccatttg gatattggccc atctttacct aatggctact atagtggagt 50

<210> 6739  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6739  
aatcacagca gtaactccca gtaggaaaga ttctcaaagg aatagttctt 50

<210> 6740  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6740  
aatgggtcagg cacaggtaga atcaaagtcc tgtatgtatg ttcacacaga 50

<210> 6741  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6741  
tacctgaagg tgtagagagt gcccgcatcc agcaaggcca acagctccac 50

<210> 6742  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6742  
ctgtgttttt cccaaagcaa caatttcaaa caaagtgaga gccactgaca 50

<210> 6743  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6743  
gactccgagc tcaagtcagt ctgtaccccc aaccctaac ccactgcac 50

<210> 6744  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6744  
tgtaactgac tttatgtatc actcaagtct tgcctttact gagtgcctga 50

<210> 6745  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6745  
tctctctaac caaaactgta atcttcagga ccagcaaact cagcccaagg 50

<210> 6746  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6746  
aactcttggt taaatgggtt aatagaggat tggaacactt tgtttgctgt 50

<210> 6747  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6747  
agaagcaaac ctgtgaagct actatcgttt atcatcagtg tgaatgcact 50

<210> 6748  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6748  
ggactaactt ccacctcctc tgctacttcc agctgcttct aatcacactt 50

<210> 6749  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6749  
agtcttcac ccagcatagg tatcacacaa ccagctctgt tttactcctg 50

<210> 6750  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6750  
ttagctggta cattgttcag agtttactgg gagccggtaa gatagtcacc 50

<210> 6751  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6751  
agcgtgatgc ttctcatgt cggtgatttt ctgttgagac atcttcaagc 50

<210> 6752  
<211> 56

<212> DNA  
<213> Homo sapiens

<400> 6752  
cagggttaac aaaagtatgg aattcaattc tttttatatg ctgcagccat gttcct 56

<210> 6753  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6753  
tgtaattgat ttccgcataa acggtcatta ctggcaccta tggcagcacc 50

<210> 6754  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6754  
gtgatccact tggagctgct actgggccca ttgagtcccta tagtaacttca 50

<210> 6755  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6755  
tgccatgaaa tctctattaa ttctcagaaa gatcaaagga ggtcccgtgt 50

<210> 6756  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6756  
cccacctggc aaatcctcaa gtgtgaccct agtcatcttt ctccttttgg 50

<210> 6757  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6757  
gctaaacaga aaagaacctg aagtacagtt cccgtcttca aagaagatgc 50

<210> 6758  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6758  
atcctcctcc cctgggatgg catagaagag actttaaaac caaatgagcc 50

<210> 6759  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6759  
gtcagtaagc tctgcctgcc aagaagacac agtgagaggt gtccacagtc 50

<210> 6760  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6760  
gtttccactt agttacttct tctacctgc tgtgaagctc tgcaccctgc 50

<210> 6761  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6761  
agagtaatcc acatcccagg gacagtcaca atgacctacg gctttagctg 50

<210> 6762  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6762  
gcagggctac accaagtcca ttgatatttg gtctgtaggc tgcattctgg 50

<210> 6763  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6763  
tcttctctaa aatgccctcc tctccttct tttccagac ctggtttaaa 50

<210> 6764  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6764  
tcgccatttg gtagttccac agtgactgct cttctatttt acgaagccac 50

<210> 6765  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6765  
gtagattact atgagaccag cagcctctgc tcccagccag ctgtggtgtg 50

<210> 6766  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6766  
tttccttttc gctgactttc tcactcactg tctgtctctc attttctcca 50

<210> 6767  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6767  
tggttaagttt ctggcagtgt ggagacaggg gaataatctc aacagtaggt 50

<210> 6768  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6768  
ccatggtggt gcttgacttt gctttggggc ttaatcctag tatcatttgg 50

<210> 6769  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6769  
tcagtgggtg ttggttgctc attagttgag acttagttgt tgctctggga 50

<210> 6770  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6770  
ggctggacag cagatgattc aaatctcaat actacatgcc cattctgtgg 50

<210> 6771  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6771  
caggatggaa caagactcca gccctgcct gtctcatgta tctgcaaggg 50

<210> 6772  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6772  
cttcagtgcg tacacgagct caacgttagt gccaggaaag acaactactc 50

<210> 6773  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6773  
actcgtatgc caactcttct gtcttccacta ctagagtgtg gattggactc 50

<210> 6774  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6774  
tggactggaa cttgactcga agttatgtgg cttaatgagt aagttcagcc 50

<210> 6775  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6775  
actggttcat ttgtttcccg atagagcttt attggaggag gcttgagagc 50

<210> 6776  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6776  
accatctcct ttaatcctca cagtgatcct ggagcaatgt gtgcattcct 50

<210> 6777  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6777  
catcacctgc tcacctagga accaggagta ctgggaactg ttccgttact 50

<210> 6778  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6778  
tcattgctga tgatcttgag gctgttgctg aacttctcat gggtcacacc 50

<210> 6779  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6779

tggcaccacg ctgattatatt tccttttcaa atcccagcct atacacctcc 50

<210> 6780

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6780

gctgtctgtc ttcccaatat ccatgacctt gactgatgca ggtgtctagg 50

<210> 6781

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6781

aggccttttt atttgtctgt ttagatacac tgcttctat atctgctgga 50

<210> 6782

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6782

cccgtgcccc accagtctca ctgcctgact ccaagtctcg tacactagat 50

<210> 6783

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6783

agcgatgaac tggtgcaaaa gaattttcca gagcattttc cattaaacca 50

<210> 6784

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6784

ccatattctt gttccccagc caggtgctgc acctccccac tcttttagtg 50

<210> 6785

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6785

aaatgcttaa aggaacaata tatgtccott tcgaggcacg tgattcgttt 50

<210> 6786

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6786  
tctggagcca cacccttacc atcaccttcc aaagaagaaa ttgaaccctt 50

<210> 6787  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6787  
aatcacacaa ggtcgaaagt agacagtcct cttggacttg gaattgtcca 50

<210> 6788  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6788  
actttcctcc gggaagtttg tatcttagcg tggacaacag gttaacacaa 50

<210> 6789  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6789  
tcaggatgct ctcaactttaa gaaccgggca aataatagaa cactgtgaca 50

<210> 6790  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6790  
acttcactca gagtaaatga aaagactggg tgcctcatca atatcattgt 50

<210> 6791  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6791  
tgactgaagg caagctcaca gatgaagcag aggactgaag atctcgatct 50

<210> 6792  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6792  
gctgagaagg atgtggtata aatgtattaa gcagcttagg gtctctggcc 50



<210> 6793  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6793  
aagtccccgt ctagtgggaa agaaagaagt tgaacaagta attccaaggg 50

<210> 6794  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6794  
cgccccggcaa gtactggggg ttcttatagc ttctctctgc atctacaaag 50

<210> 6795  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 6795  
ctgtttctct attttaactt acattgggta ttctgtaaag tcagatgtgg cagt 54

<210> 6796  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6796  
gcactgtcct tcccagttct acatttgagt ctgagttgac tcgcaagact 50

<210> 6797  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6797  
aacagattgt gcttctgttc tgaatcttct aaagccatct gcacagtgtc 50

<210> 6798  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6798  
aacagattgt gcttctgttc tgaatcttcc aaagccatct gcacagtgtc 50

<210> 6799  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6799

atctgcacag tgtagcatg gtgactccag tgcctccaa gactccatag 50

<210> 6800  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6800  
tttagcatcc actagttact gtctggcact ggccacgaag ggtgacaggg 50

<210> 6801  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6801  
gaatcccggt catctctacc caagtcccg tctctctacc ctattctctc 50

<210> 6802  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6802  
tggttaacttc aaagtccta acacattcga tatttctcct agcttcact 50

<210> 6803  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6803  
actcccacca aacccactt tgtaactcact ggtagtaaag agagatgcag 50

<210> 6804  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6804  
aagagtaaga ggcaacagat agagtgtcct tggtataaag aagtcagaga 50

<210> 6805  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6805  
gaaattggaa ggtgatactt ggggaccaca acacgcacat ctgggaactg 50

<210> 6806  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6806  
tcctctgtgg catacagaat gtctacaatc ttctgcaata cagggtcgtt 50

<210> 6807  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6807  
ggcaagggaa caaacttgag taaatctagc tcttgaaggc ctcgggaccc 50

<210> 6808  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6808  
actcatttgt ctctcattc tcaaaagtct tctgtggttt ggcttcagtg 50

<210> 6809  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6809  
tcgatgggcc attatccact ctgctatctt ctgaagagta attttcacct 50

<210> 6810  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6810  
aaggacggaa ctcacacatc ttcttttagac agaaatgtag tctcactgca 50

<210> 6811  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6811  
tataatccca gtccatgagg gtgtaaagtg aaatgagctg gctggctgga 50

<210> 6812  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6812  
gctctgttct ggggttggtc caaagtcagg tggagtcca atgtatgaaa 50

<210> 6813  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6813  
tccctgagat ctaggagggc agcatagtat catttttgta ttccggtgct 50

<210> 6814  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6814  
agctgctaca aagaagacat gtttttagaca aatactcatg tgtatgggca 50

<210> 6815  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6815  
agggatctga atacttcggg tgcaaaaatt ttcttcgagt ttagatttgc 50

<210> 6816  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6816  
tatggtttcc aatatcgaca tggcatcatt ggttacatta gactgggcc 50

<210> 6817  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6817  
ggcctgggca tagactgtgg tgaggtcact agattatctt gttcttcccc 50

<210> 6818  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6818  
gagtcctgat ctcagcttca tcaccaacat tcctcgctt cagttgaatt 50

<210> 6819  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6819  
ggaggtcttt gccaccaatg ggagatgagc ccaaactttc gatataggtg 50

<210> 6820  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6820  
accagaggta aacttgagtg taattgtcag acagacacac tttccacca 50

<210> 6821  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 6821  
tgcattttac attagcttcc aatatttatg gcagtaacca acagtattat cgt 53

<210> 6822  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6822  
tttccaatgc tccttgctcc attttaact tgctgtcctt tataagagaa 50

<210> 6823  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6823  
tgttttcacg atagaaataa ggaaggctta gagcttctat tctttggcca 50

<210> 6824  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6824  
tttcatacaa agccaacaga attcacagcc acacactgca caggatcatgt 50

<210> 6825  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6825  
aggaagctgt gaggggtgggt tcattagttg cagggatgggt agttatgtca 50

<210> 6826  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6826  
gagacaagct ggaaggccgg acctcagacc ggaggggggtt tatgtcattc 50

<210> 6827  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6827  
ataactagac aaggtctgag cactttgggt ggggatggag tgagaaaggc 50

<210> 6828  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6828  
attaagttgg gtaacgccag gggtttccca gtcacgacgt tgtaaaacga 50

<210> 6829  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6829  
gcgttctagc tgggccaaca gagcaggatt tcggttcaga aaacaaaaca 50

<210> 6830  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6830  
atcatgtctc attaacagag tgaagatgga gcaacgtcat ccagcttctg 50

<210> 6831  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6831  
tggtcgcgcc cgaggtacgg ttttcatggt agggctgaat ggaagatgtg 50

<210> 6832  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6832  
cagaaagata ggagtgtgca atggcaagga aactcaattt aaagcaaatt 50

<210> 6833  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6833  
ttgcaaattc tcatggtttg ggttgggtgg tggagagcgc gtgtcatctg 50

<210> 6834  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6834  
ttattcagcg tcacgatcag actgttacat ttagcaatca acagcatggg 50

<210> 6835  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6835  
tgtgtgtatg tgtgtaacca ggtctgacta tagcttggtc tgtctgtgtc 50

<210> 6836  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6836  
agcatttggg gttttagctt tgggtgtccta aatttcagtg atctttgcc 50

<210> 6837  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6837  
cataaaccag cagctcagcg tttctatagc aagcgggtctc gagcacaagc 50

<210> 6838  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6838  
tagtgatagg cgtggtggcg gcgaagggtca gtaatggggc ttttaaccag 50

<210> 6839  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6839  
tactgtagaa agaagaagag cacacatgag acagagaagg aggtggatgc 50

<210> 6840  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6840

cgaggcggcc cggcagggtta ccaatttgga tgaattcttg atagatttaa 50

<210> 6841

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6841

ttgggttcag aatagcttca tctactgccg agcaaagtca atacagcact 50

<210> 6842

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6842

ggtaacagcc atcccaccac caataatcat ctcattgtct ttgtccagca 50

<210> 6843

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6843

gtatgaatag attgccccat tccctgccag cctggtagtg acttttccac 50

<210> 6844

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6844

tataatttct accaaactaa gttttatttt gtgcccgctc cctgtccctt 50

<210> 6845

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6845

ctgtaaaatt cttttcgggt ccatcctggc tctcatctcc agtgctttga 50

<210> 6846

<211> 56

<212> DNA

<213> Homo sapiens

<400> 6846

agggttaaca aaagtatgga attcaattct ttttatatgc tgcagccatg ttcttg 56

<210> 6847



<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6847  
cccaatctga agtcagtaaa tgaactaatc tacaagcgtg gttatggcaa

50

<210> 6848  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6848  
ccgagggtact ctcttagaga aagggtgattg gatgctccgg ttgcctgtaa

50

<210> 6849  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6849  
gcgggttga aaatagtcga gaattgacag tccctctcga agatgctttt

50

<210> 6850  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6850  
ttgagacccc accaactgca aaatctgttc ctggcattaa gtccttctt

50

<210> 6851  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6851  
aatgaaaaac tccagctctc agctcacaaa tctgtaattt aggtgtctct

50

<210> 6852  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6852  
tcgtctcggg taatctggaa gtaacgtaat tcgtaactct ctttgcgtgt

50

<210> 6853  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6853  
tcgggttgta agaactagag cttattccta ttccaaatct atcttgcgct

50

<210> 6854  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6854  
agataagaac ttcacccctaa agcatccggg ccttgccatc ttgtccatgc 50  
  
<210> 6855  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6855  
actgatttca tcaagttcga cactggtaac ctgtgtatgg tgactggagg 50  
  
<210> 6856  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6856  
aatcattggc tacctcctcc ccttttacag tcacaagtcc agatgtttgg 50  
  
<210> 6857  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6857  
aataaatccc atacctccca ttgaactacc acccaccocg accaccataa 50  
  
<210> 6858  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6858  
caagacattt ccagccaact tcagaatgta gatctttgag ccagacagct 50  
  
<210> 6859  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6859  
gaggtactgg cctgtgaagc cctgaaggca ctggcactgg taggaaccag 50  
  
<210> 6860  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6860

atcttctgtc aaagtcagtc gctgctccaa gattgaaaca gtctgtgtca 50

<210> 6861  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6861  
tggatggatt tccaagtggc ctcatattta tcatgggtgt ttaaatagca 50

<210> 6862  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6862  
ttcagcttag ggaaagagag atacatttta gattatagag catcgctgc 50

<210> 6863  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6863  
atcttcctat gtgcgccaga taatgatcaa gttcacaggt ggtcttactt 50

<210> 6864  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6864  
agtttcttaa gtcaaagac acattagccc acgcaattcc cagccccagc 50

<210> 6865  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6865  
ccctcttctg acatgaatta ggcataattt agcaatcggg tcttcccaaa 50

<210> 6866  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6866  
atacagtga ctggccactg gctgtttgct atataaatgg tatactgctt 50

<210> 6867  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6867  
aggttactta aaagcatcat tggcgtggtc ctctcactac caaagggcag 50

<210> 6868  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6868  
ctggggtcag caaagagggg tagcaagtgt gccttagaga tgaagaaatg 50

<210> 6869  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6869  
tttagagtac ttagaggagg accaggaaac actgagacag acacgcaggc 50

<210> 6870  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6870  
tgtttgaaaa ctaccttcat gggagcaatg acaagcacat gtctaggatt 50

<210> 6871  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6871  
tttgtgcaa ggtttgggat tttgtcttct agagcttctt ctctattggt 50

<210> 6872  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6872  
tttttgacgc tctctcactg gtcttggcat ttgatgtttc tgttgaagcc 50

<210> 6873  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6873  
cctataatgg gggaaagatg ctggttagat gtttatttta gtgggcttgc 50

<210> 6874  
<211> 50

<212> DNA  
<213> Homo sapiens  
  
<400> 6874  
ccacaaacac accctgccac aagacattta gcacagagga acagatccat 50  
  
<210> 6875  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6875  
gacaccacaa ctcacctcct ctattattag agatccccgag acattacggc 50  
  
<210> 6876  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6876  
tgttacaatt tcagcagttg aattcagtga aactgggttg aggagtgcct 50  
  
<210> 6877  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6877  
ccttccgtat tctcccaagt attcacaagc cctcccttaa aaccctctct 50  
  
<210> 6878  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6878  
acagccatct gggatgagcc gcttttcagc caccatgtct tcaaattcat 50  
  
<210> 6879  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6879  
taactgaata cagtctcatc ttgccgcgcc tggttacct atctgtggaa 50  
  
<210> 6880  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 6880  
aggactaca caaggtgtca gatgggggtg ccacaatgac taggacaaga 50

<210> 6881  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6881  
ccaagaagac agaaggaagt gtcgaacacc atgacaagag cttgccagaa 50

<210> 6882  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6882  
gagagctttc tccccgcctt cagtttctga tggatctagc catgttgaaa 50

<210> 6883  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6883  
taaaactttc tgccagggtt ccagagaaag agtaatttcc tttgagtacc 50

<210> 6884  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6884  
cgctcgccgg gccagggtacc aaaactttca taataaaagg taggaaggat 50

<210> 6885  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6885  
tgacttcatt gaaggtccca tcacccaaag tagatgttaa aaaccttaat 50

<210> 6886  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6886  
tttatgtgga aggcttcctt attacctccc agcgaaattc gtagtctttc 50

<210> 6887  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6887  
taaaatgttg ccagtggagg accgaatcaa gggtattgct gacctcattt 50

<210> 6888  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6888  
agatatgttc tgagccccgc ccacacactg cctgggttaca gggagagaag 50

<210> 6889  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6889  
gaggttcctt catcccagaa gaagcaacag gatttccaga tcagggcaac 50

<210> 6890  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6890  
ctggtctgtg tcgttggtt tatgacagga agtgctgtg gggtatctta 50

<210> 6891  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6891  
cccaacgctt gtgtgcgtat gtatgtgtgt atttaacatc ctgttcccat 50

<210> 6892  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6892  
gcataaaggc agccatttcc attotctaca ttctctagtg atagcagagg 50

<210> 6893  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6893  
cgttacgcaa tggagaagtc cccttgaggc tgaataatca catctgtatc 50

<210> 6894  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6894  
aggccaaatc accgcacagt tgaattgctg attctaattg gtaacaataa 50

<210> 6895  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6895  
ttgtagtgtg attgtgtgat acgcaaacct ttagttaacc caagtgatga 50

<210> 6896  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6896  
ccttggtgcc gtgggtatat gcatgatctt accttttgtt tgactatgaa 50

<210> 6897  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6897  
aaatgatatg ttaagcaccc aaatcttcac atggagggga aggggggtggg 50

<210> 6898  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6898  
ggccaaagct gtttattatg agatctttga gtggaatcag catgtctccc 50

<210> 6899  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6899  
ttaacagcat tgaagggtgaa acagcacaat gtccattcc aaatttattt 50

<210> 6900  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6900  
aggtacgaaa atacattctg gcatcacacc cctgaaccca agactgttct 50

<210> 6901  
<211> 50  
<212> DNA



<213> Homo sapiens

<400> 6901

gaactaccta ctggcagttg ggttcagggg gatgggattg acttcgcctt

50

<210> 6902

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6902

agagctaata tacagagtac ctgacacact acctcacaa cagtttaact

50

<210> 6903

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6903

gccaggcaa caagaatact tttatctttg atccgttctg tttatccagt

50

<210> 6904

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6904

ctgagggtag actgtgggca aagaggacaa ctctccctcc cctaagggac

50

<210> 6905

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6905

tgcccagacc tatttcctta ggacagtatt ctaaagttca gtagtccagt

50

<210> 6906

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6906

gccctgtccc ttgagaggct cacagcgatg gaggccactt ttgttgtttg

50

<210> 6907

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6907

acaaaaagg gctacattac caccactgta tcataaaagc cagccacctt

50

<210> 6908

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6908  
agctgacgat tttctatccc ggcctatagt gcatgtatgg caattgagca 50

<210> 6909  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6909  
ccccaaaaca aacaaaataa accacaccag atatcagtca catccttgaa 50

<210> 6910  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6910  
agtctgttat tgcctgattt tgtccccacc ttgttcaaatt ttccaaagct 50

<210> 6911  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6911  
ctcacagccg aagctctgat cctttgttct caggaaacac tcaggaagtg 50

<210> 6912  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6912  
agagaaaatg agagacagac agtgagtggg aaagtcagcg aaaaggaaaa 50

<210> 6913  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6913  
tccttgagtt tatacaccgt gctatgagtg atgacagcca attcccatgc 50

<210> 6914  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6914  
tcgcttcagg ggtcagccaa aagatagaca gccaggtaac ttgagtggac 50

<210> 6915  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6915  
ggacagtacc aaacactccc ctctcccct ctgcctcttt gcttacttag 50

<210> 6916  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6916  
gaccaaatac tgaacttcca cctgcataa taatcatgaa caccgcacca 50

<210> 6917  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6917  
aggtagcag tgcctcagat acctgcaaaa cctttctgca caaatgtgct 50

<210> 6918  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6918  
cagatccaat gagggtcca tctcttcca ctccaatccc gtgtgttct 50

<210> 6919  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6919  
ccaaccaaac catcaaacag caggagcta gtgaagaggc ctattgttcc 50

<210> 6920  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6920  
acatcgcta aaaccgtgca tcgtaaacat ttacctcaa gtcacctct 50

<210> 6921  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6921

ttttcactcc tctcagagtc tactccacct ctctcactc cccaggacac 50

<210> 6922  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6922  
agatctgtgt tcgtctctag gtaataggaa acacaatcca gacatgatct 50

<210> 6923  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6923  
ttcatgaact cggagaggtc catggtgcac tcccgtcgt cctgggacac 50

<210> 6924  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6924  
ctggcaatat taacttgggt tctgtttcat ctctggctat aagccatata 50

<210> 6925  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6925  
tgccattctt ttgttgaacc tgtaaaggta aggccagat tctgaaacct 50

<210> 6926  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6926  
taaagcattt atgagaatgc tgcatttgta catgagctac gcctcatctt 50

<210> 6927  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6927  
gcaccacct cctcagttca gacaagccca gcacccaaat accactatct 50

<210> 6928  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6928  
agcgcacgag tgactcccat ctatatatgt cagtcgtctc tggcgcaagg 50

<210> 6929  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6929  
gaaacagtgg cccgggtcgt agtgcgctgt ccagatcttc acgctacacc 50

<210> 6930  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6930  
agtgcattca cactgatgat aaacgatagt agcttcacag gtttgcttct 50

<210> 6931  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6931  
gcttcaaaat tccttaccac caacctctgg caccocaaat tgtatcacta 50

<210> 6932  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6932  
gaggaagggc tggctcttac tccccacaag aggtgttctc taggccacac 50

<210> 6933  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6933  
ccaatctaata ttaaaccctc ataacaggac ataagcttgc gcccgcatct 50

<210> 6934  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6934  
tgctcaatgt tttgcactga ttttattcaa tgttttgaag ggcgttatga 50

<210> 6935  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6935  
tgctaacaac agcttctcgg tatgttaata ttctgtaac tcctttctca 50

<210> 6936  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6936  
ggaggaatgg ctgtgcccg tccctccact taagcgacct gagtctccag 50

<210> 6937  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6937  
acacacactt aagagtacag atgagagcca aaaataagtg gcaggtcttt 50

<210> 6938  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6938  
ttttgtgact gtgcatgctt gaaaagaata agttttctgc agctgtgtct 50

<210> 6939  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6939  
cttgtctgtg gcgtggcaca cagtaggtgc tcggtttgtg ttgttgaatg 50

<210> 6940  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6940  
gaattctgaa tacatgttgg actgtgtttc ttgacctgt gtttcctagg 50

<210> 6941  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6941  
tgagtccttg gctcagctt ctaatctcaa acctaaaata gattgcgttt 50

<210> 6942  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6942  
tcttctcgtc tttgctatta aatttcttca cggaccatgc atctggagga 50

<210> 6943  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6943  
ccagagactc ctaagcagaa tcaaggatgt gtggcataag catgagagcc 50

<210> 6944  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6944  
cccataaaga ggaataagct actgtcctca gctcttgta gctcaggctt 50

<210> 6945  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6945  
agagtttgta acacaatcca gtccacatgc ttatccaatc ccatcatcca 50

<210> 6946  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6946  
agctcaaaat atggcaaagt gatgatttcg tgttaatcct agaaacagca 50

<210> 6947  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6947  
tgggtctgct ttcacatgaa agtgctacga attctctttt gtgctgagcc 50

<210> 6948  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6948  
ggatgagccc actcacagca ccagatttgc actgaaagta ccttaatatc 50

<210> 6949  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6949  
aacccaaatc caaatgccag gatagaagaa tttgtttatg agaaactgga 50

<210> 6950  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6950  
cgctttttga tctgattact atttcacaca gggtacagct atgaccatga 50

<210> 6951  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6951  
ctgccgctaa ttcactagta atttcgatcg tccgccctcc aggtacatat 50

<210> 6952  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6952  
aggcgtgcta ttaattatcc cataccctcc ttacagaaat tacactcgca 50

<210> 6953  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6953  
gggagaagtt ctttaaacta aggtacaaa atgaattgaa tgctgggggc 50

<210> 6954  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6954  
attagcgtgt tcgcgcccga ggtacaccaa aaccttcaga aagcaaagtt 50

<210> 6955  
<211> 50  
<212> DNA  
<213> Homo sapiens



<400> 6955  
aagatatgaa atatgcctac ccgcagagct tggcacaag tggagtcaat 50

<210> 6956  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6956  
gtacagagat cggatcacac aagcccggag acagtgcagc ttctccactg 50

<210> 6957  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6957  
aatgcacttg tgataaactg acagcagggt tagacattac tttcaaagct 50

<210> 6958  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6958  
ccactgctca ggaaactgcc tgttcgggtgc tcctccaatt caattaagct 50

<210> 6959  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6959  
agtgtgtgta taactgcaga aagagataga gaagagagat cagtgcagagc 50

<210> 6960  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6960  
aagtcaggac ctttgcactt gccccgcctc tgccttcaca gctcttctca 50

<210> 6961  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6961  
taatcaggga agagcttgag atcattagca actgaactga acagggagtt 50

<210> 6962  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 6962

ctgggtcacg tcgcccacca atggtatctg tgtggtagg cattaggctg 50

<210> 6963

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6963

ggtgtaggt gagggttat tgcgggctag tatccgagca aaagatggtg 50

<210> 6964

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6964

cagccctgct atctctggtt gttcatgtac ttctgtaagg tggagaccct 50

<210> 6965

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6965

gaaggtgaga aaccgagag acaccaacta tgatttttac tttcctggt 50

<210> 6966

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6966

accacccctc cttccctcc ttttaactcat ctggaatctc tctcatacat 50

<210> 6967

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6967

ctcttatcct gctctgccct ggaacttgaa cccagtgcc aatactcatg 50

<210> 6968

<211> 50

<212> DNA

<213> Homo sapiens

<400> 6968

cgacctaatc tctgtcccca gaaggcagac caggactcca gcccaggag 50

<210> 6969

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6969  
gccaaatctt tgtcctgtac aaagtacaga tgtttttgac tgaagttcca 50

<210> 6970  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6970  
gccacagtga ataaatacaa ggcaaggctc ataggtaaaa caagttctat 50

<210> 6971  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6971  
agtggagtgt ttacaccttg ctgtaacatt tgaactttca caagagatgt 50

<210> 6972  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6972  
aaaccacccc atcatttgcc ctgactaccc atctcccgat taattcaccc 50

<210> 6973  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6973  
agggacacaga gccaggattt aaactotaac aatttgtctc cacaattgca 50

<210> 6974  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6974  
ctcctggcac gacagaacta gtagtttcca tgtcttgagg acataggtcc 50

<210> 6975  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6975  
tcgaacctgt tccaggtatg ctgatagatg tcggtagggc atccttaatt 50

<210> 6976  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6976  
gaggtactat aaaccagatg cccaaaacac ctgcctcctt gggttggccg 50

<210> 6977  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6977  
acattcatct gtttcactg aggtctgagt cttcaagttt tcaccccagg 50

<210> 6978  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6978  
ttagcccttt tctgcgctaa ttagaatttc aagcgtcaca gagcctgggg 50

<210> 6979  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6979  
ttcaacgagg tgaaccagtg tgatgtctgt ggggaaaaca cgtagtcagg 50

<210> 6980  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 6980  
ggaaaaaaga aatttcctga gatttcaggt gtatacagaa gtgtctttcc att 53

<210> 6981  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6981  
gagttcacgt ggggtggccc tcctcagtcg tcttagggta ctgtactgtc 50

<210> 6982  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6982

ccaccttcca ggtcccttcc ggcctaagat gcctgaaatc tccaaggaaa 50

<210> 6983  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6983  
acaaggcaaa gcttaaagaa acactaaacg aatgagtga agaagcggag 50

<210> 6984  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6984  
ttctcaataa caaaccacg gctttcataa atgcatgatc aaaatgtgga 50

<210> 6985  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6985  
acagaaaata ggggtgtatat cagcattacg ctgattcagc agaagatagc 50

<210> 6986  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6986  
tctcgactga caccactat aaattccctg ggttgaaaaa cttttctttt 50

<210> 6987  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6987  
tccaaacccc tccattacaa tctaacacac ttccccctac atcgtctcct 50

<210> 6988  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6988  
gcatttattt tcttctacag agaacctggc ggctgggtct gggaaagagc 50

<210> 6989  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6989  
accacaatt agtgagagtg cccttgagct tgagattccc attcctcctt 50

<210> 6990  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6990  
tggatataaa gtgtgtgttc tgacagaaaa tggggagaag gtggctattt 50

<210> 6991  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6991  
gccagaaaat cctgggtttcc ctgggtgtccc ctccaatctc ttttaccaaa 50

<210> 6992  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6992  
ccattgtcgc ccggagctgg aaagatagtt tagagaatgc cttagcactt 50

<210> 6993  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6993  
cagcaccag tacaggtatg caggaaggac tcgcttgact tagagagtgg 50

<210> 6994  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6994  
aacacaccag aaggaaaaga cacagacagg gaatgaagcc tgcaaagtcc 50

<210> 6995  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6995  
gtaactcagt gcccccaaag attcatagtc agcaggattg gccagcaaatt 50

<210> 6996  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 6996  
cgccccaaat ataaaatctc aataccagtt ccttttcccc agtaccaccag 50

<210> 6997  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6997  
agtcacagga tgttctctgc acctcatctg caactctgag ccttactcaa 50

<210> 6998  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6998  
gttagagccc tcgtgccctg cttcttcagc taccatttct ctctgtgacc 50

<210> 6999  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 6999  
ccaccacaac cacacacaca aaaagtcaac ccacacgaat ataccggaaa 50

<210> 7000  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7000  
cagttgggct gttagtagtc tgtcacacag gtgagaggag caagagatcc 50

<210> 7001  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7001  
aatctattat caggcattta atcactgagc actcttctgt cccacactgt 50

<210> 7002  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7002  
agaggagtga cggtgaatgg tactgaaagc gggtgtaaata tgcgagagag 50

<210> 7003  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7003  
tctccttggt ctgattctct ccccatctac aacaactcca ctccccaag 50

<210> 7004  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7004  
cacctaacca agcgggttg gctgatgacc gatgaccgta agcagtaagg 50

<210> 7005  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7005  
acctcttctt tagcaacact aaccactcca cactggggaa attatactct 50

<210> 7006  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7006  
actaccgcac aacagaacac atgaccaggt gagtgcagac acgacatcag 50

<210> 7007  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7007  
cagttttact cctggtcac tttgtgagt gtggattott ctctgccct 50

<210> 7008  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7008  
ttttattttg gctgaagttt gggatatggct gcttggtggc ctctgctggg 50

<210> 7009  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7009  
acagcttata aagcactttc tcatgcactt cttctcgccg tatttgcaca 50



<210> 7010  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7010  
ggggctcaaa cctgtgactt actgctaact aacatcaaag gaaaagctgg 50

<210> 7011  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7011  
atgatcattg atagatattc taagagcatg caggaatgag gatgcgtgcc 50

<210> 7012  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7012  
gacaacaaac ctgcttgctt gggtaccac agcgactga gtatagaagt 50

<210> 7013  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7013  
tcttcaatta ttcagtctct aaggcagtgt ctgtcttccc accatcccgc 50

<210> 7014  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 7014  
tgagtatttt taaaatcccc tgtttgatg cttccagcta aatagtctac ct 52

<210> 7015  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 7015  
tgggtttact cagatcttct ccttcttaag tgagagtttt aacctacatt tt 52

<210> 7016  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7016  
gtccagagct agaagaacca agtcttcctt tcttcattca ttgttcaggt 50

<210> 7017  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7017  
cttcttctta ggatctggag ggaggggagt gttagagctt gtgagccatg 50

<210> 7018  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7018  
ctgaacgaac cagttctttt ggactaccag ttcttgaagt gaagctcaga 50

<210> 7019  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7019  
aacaaaagca ctgacaagct catatgaaca ggctaaaaag tgagtgaagt 50

<210> 7020  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7020  
ttctctttct atatctagct aaattgctg tgcgcctccc atcctcctca 50

<210> 7021  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7021  
acacacttga taaattagac cgatgcaaac cgcaagaatc caaatcagct 50

<210> 7022  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7022  
atagtaggtg agccagtagt gtgaatgctt gtcaagcttc caaggatgga 50

<210> 7023  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7023  
aaccaccacc cagcttcctg gtacaagcag ggactctggc tacagtgcta 50

<210> 7024  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7024  
tttcctcccc tccctcccca atccacaaaa cacgtaattc tgactatcca 50

<210> 7025  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7025  
caacattcac aaaactggtc cccgaattag tgagaagggt ccaggagtgc 50

<210> 7026  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7026  
gagagattat agcacagtct cccagggctc agtcagggtca tccgcagcaa 50

<210> 7027  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7027  
ttcaatgctt tgtcctcccc tcgcagatgt ttagaacaga tcctccttct 50

<210> 7028  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7028  
tccctctctc agggctggga aagaaagggt catcttcact cagatgcaag 50

<210> 7029  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7029  
ttctgttggg ctgccagctc atccattcat ccacacctg ccagctagac 50

<210> 7030

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7030  
acacagtttt ggctccctta ttttccccgt actogaaaca tttccatgca

50

<210> 7031  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7031  
accaaatcgc aaaaatacag aatgcctgta aattgagtca caccttaaaa

50

<210> 7032  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7032  
gagtcataa atctgcattt catgtagttg taagactttc tcccaaaggt

50

<210> 7033  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7033  
tccatttgag ttttcttccc atctctcaca gttgattggt ctgtcccttc

50

<210> 7034  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7034  
aaaattcagc cctcctggat tcacgtgccc aatgaaagtc cccaaactag

50

<210> 7035  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7035  
tttaacagga aaagcccaaa attattttta tgctgtctac aatctgggccc

50

<210> 7036  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7036  
agttgcactg gttgttcttg gctgcgggtgc ttctcacaca agaagcccag

50

<210> 7037  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7037  
tttccttttt cccttgctccc ttggcttccc ccataccga atcccccttc 50.

<210> 7038  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7038  
ctcccagcc tggccgtagt ccagagcttc ttctttttca tggttgggtt 50

<210> 7039  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7039  
gccagtgtac gttgccaggc atttcatgta agagaaaact caaatagcca 50

<210> 7040  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7040  
ccgtcttctt ttgggtgttt cctcctagtt tcggcggaaa tcagagttca 50

<210> 7041  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7041  
atgaaccctc acctgctctg cagtgcagtt ttgatttttag tcccagcaaa 50

<210> 7042  
<211> 58  
<212> DNA  
<213> Homo sapiens

<400> 7042  
agatatagat ggtaaaatgt gatgcaatgt aaaaaaatgg taatacacac actctcca 58.

<210> 7043  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7043

tgagtgggct tctcttatgg tacagtctct tctctatgag gggcttcaaa 50

<210> 7044  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7044  
tgggcttcca aatggtacaa tggagtaatc aagctcatgg actgagagtt 50

<210> 7045  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7045  
cttgaagcta cttgtccctt tctgtgccag accacttaat ggctaccac 50

<210> 7046  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7046  
ttcccagggc gtcctatcta cagccttact gtgactccac tcagcaccag 50

<210> 7047  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7047  
attcccccta agctcctgtc ccccgccatg cagcactggc cacatcaaaa 50

<210> 7048  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7048  
aagacacacc cctcctgttt aataaaagtt gtcccctcga catgcataat 50

<210> 7049  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7049  
cctgggtaca ataatgaaac tgcctgtggag taaagaggga aacatgacca 50

<210> 7050  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7050  
agaaccaca cactgggaga caataactgc cattcatata accaacagaa 50

<210> 7051  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7051  
cgccactgct taaagattac agacaattcc caggtaaagt tgccaggact 50

<210> 7052  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7052  
acaatgatgt ttgaaacgca ctctgaatct gtgaaagcta gataagtcct 50

<210> 7053  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7053  
gccttcctcc tctccctct tgggcctatg tcctagataa gcctgttaaa 50

<210> 7054  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7054  
tgtcaagatg acagatctta atccagagtg gaggctcggt cggcctggag 50

<210> 7055  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7055  
tttatgtttc agcctctttc tctcccgttg agtcctgcc caagtcctgc 50

<210> 7056  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7056  
attgtccagg tgacttgaca cttgcctacc ggaaaagttg ggatgttctt 50

<210> 7057  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7057  
taaaatatgc cctaatttaa agggcgaggt gtcccacaac aagccacaga 50

<210> 7058  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7058  
aaatctcttc tcacgttctg tttgtcattt aatcaccagg ttttttagcgc 50

<210> 7059  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7059  
gctactgatg ggtggccctt tattcttctg tttatttggt gtgtgcagga 50

<210> 7060  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7060  
aaaaattggt agctgcccc atgtggtatg atgtttaatt tgaacaacat 50

<210> 7061  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7061  
accgggcagc tctcctcaac cccttaattc tttccagct tttcatatta 50

<210> 7062  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7062  
ctcaagaggg catagacatt ccacacgagg actgcattcg tcagggtaac 50

<210> 7063  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7063  
aacaaatacc caattaactg tattcccctt tcccctatga ctgctggtgt 50



<210> 7064  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7064  
ccgttggtccg aaagcttgct tccaactaaa gaccagagat gggagggagt 50  
  
<210> 7065  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7065  
tttagcccaa agaagacttt cgcataaatt ctgccgtaac ccttggttga 50  
  
<210> 7066  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7066  
caaagcagca aatacagagc acacaacaat ccttggcctg agcagaacaa 50  
  
<210> 7067  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7067  
atatgaagat ggattggatg aggactgaca aaacgaagac atgccggggc 50  
  
<210> 7068  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7068  
atgcctagtc agtcagtatt tcttcttgct gcagggtgtct aaaaaccac 50  
  
<210> 7069  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7069  
ccttcgcatt ccccatcca tgctccaaga taatagattt ttctttaaaa 50  
  
<210> 7070  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 7070  
ggggaacact ttggtttgaa agcacagagc agtttgccat gtttcttctg 50

<210> 7071  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7071  
actgaatggg cgaaatcaca tatgcaccac acatactgat cttaagtaac 50

<210> 7072  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7072  
cgagggtacag caaagcgacc cttgggtgtca tagatcagac ggaaattctc 50

<210> 7073  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7073  
tacagaagag cagagaccaa ctttctcaaa gttgggtgagt attaaaccag 50

<210> 7074  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7074  
ccagatttgc tgatgtgtta ggtagttgtg gcacactcac ctgtctttcc 50

<210> 7075  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7075  
ctttccagggt tttccctttc cgccattggt ttcccgcctcg ctaaagtgac 50

<210> 7076  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7076  
ttgaacattc gcaaagtaac atctctcact cccaacacca cagcttatcg 50

<210> 7077  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7077  
agtaaccacc aaagcatagt tttagaaggg ctttcgcaaa cctagccttt 50

<210> 7078  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7078  
tcttgcttgt tcttctcggt tttgttttat cttccgcccg gcagggtcag 50

<210> 7079  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7079  
gctctgaaac ccctggaact cttgagccta aaatgtattt ttacaatctt 50

<210> 7080  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7080  
atctttgatg tgaagccctt taaaaataaa cgtgaagggtg ccagcttgca 50

<210> 7081  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7081  
accagcctg atgttcattt tttccccctc ttcattttcc ttctttgttt 50

<210> 7082  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7082  
agaaagacta acaccagaaa tcatgctgca acaccagaac atcctttgga 50

<210> 7083  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7083  
tcacaaaata tggctcaagg agtataaatc ccctctcacg caccacaaa 50

<210> 7084  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7084

actaaccaac caatgagaat actacttacc tccacccatg ctgtgaaccc 50

<210> 7085

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7085

tgaccgcctc aaagaccaaa aggactctac tccatattct tctcactgtc 50

<210> 7086

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7086

gaatgaccac ctgacgcatt cagagctcac cttcttggtc ttcagctggt 50

<210> 7087

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7087

ttggtagaaa ccaccaacc ataaaattcc caagcctgta ctggtcagcc 50

<210> 7088

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7088

cataagttgg gtgaagaaat ggtggtttta atcagtaata tagctcccc 50

<210> 7089

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7089

ttctcatctc aatatcccc agagccccag tacctcataa tacaagactt 50

<210> 7090

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7090

ctatcaggcc ctccagatag tcttctataa accaatgatt cagcaggact 50

<210> 7091

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7091  
taccctaaagt ctattcgtaa gtgcattcttt tctattagac tggaagctcc

50

<210> 7092  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7092  
gatgggttcag caactgagga gctcaggggtg acgggtccac agagcacaga

50

<210> 7093  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7093  
agaaattaga agatgactac catttgctaa agtctatcca catgccagca

50

<210> 7094  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7094  
ccccctcgac cccctcacac cctttccaga gaggccttaa gattcccatt

50

<210> 7095  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7095  
tgtaagggttt cataaattta gagaccctag ccagtcagtg acaatatgca

50

<210> 7096  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 7096  
gagttgctta ttccagtctc tctaagatat atctcccttt ttagttgctg ac

52

<210> 7097  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7097  
tggtgtaatg aacatgccgt attgccttta tggccagttt gagtccttcc

50

<210> 7098  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7098  
agggaacccc aaagaggttaa aaccaggacc actatttcat agtcaacaaa 50

<210> 7099  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7099  
gtggtaaatg agagcattac agaccacca catcagccta aatataatt 50

<210> 7100  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7100  
ccaccaaacc caacaggccg ggacaaatgc aataccatac agaaacacag 50

<210> 7101  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7101  
ggccaaactt tcttactctg ccatttggtc aatgtcctaa tgagcatgaa 50

<210> 7102  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7102  
atcaatcggg ccaatccgaa gtcagcaatc ttgcatatga gtccattccc 50

<210> 7103  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7103  
tatttttaac aaaatcacac ggaaggattt ccttcccgtc ccatgtgttg 50

<210> 7104  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7104

cagatagtgg tatttgggtg ctgggcttgt ctgacctgag gaggtggctg 50

<210> 7105  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7105  
aactccatag agaaagacta cgaatttcgc tgggaggtta tagggaagcc 50

<210> 7106  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7106  
gcatttagga aagacaggtg agtgtgccac aactacctaa cacatcagca 50

<210> 7107  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7107  
ttactttgtc ttctctcacc atcctaaaac gttgttttgc tgagcatgaa 50

<210> 7108  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7108  
ccccagacga aaatacaaaa tgcattggaga gctcccgta gtggttaata 50

<210> 7109  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7109  
gcctaagttt ccagaagact ttgacgatgg agacatgca aagcaggtta 50

<210> 7110  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7110  
ttttgcagtt caaggattgg tgggaaacgt ttgtatgtgt tggggtgggg 50

<210> 7111  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7111  
aatagatttc catttcttcc ttcgagttag ttgggtattg ggaccttgaa 50

<210> 7112  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7112  
cgacggtgtt ctggagtttc gatgagacat gtaagtaaga gttctgtgca 50

<210> 7113  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7113  
atattcagca gtggctgtga aattggattt gaattaccgg gatacatgca 50

<210> 7114  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7114  
actggttttc attctagtgt cccccaccgg tctagtttca ttttctgtga 50

<210> 7115  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7115  
ttgggagtca ccagggttaa gcaaagcctc agtcactgaa agcagaaact 50

<210> 7116  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7116  
tcctgtgctc cagaattagt gattgctttg gtgcttaact tgaagtggga 50

<210> 7117  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7117  
catctgctct gcttcctcac aactagaaa caccactgcc cccatccatg 50

<210> 7118  
<211> 50



<212> DNA  
<213> Homo sapiens

<400> 7118  
tctgtgattt atagactggt ttcaggaaac gatcttccca tctgtggtga

50

<210> 7119  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7119  
tcatttcagg tctaataaac acactaacct cggcagcact ggagcgtctg

50

<210> 7120  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7120  
agcttaggat atctattagt gttcactggt cgggcaagag gcctaaaggg

50

<210> 7121  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7121  
tgggaacaca ctggcccatt atatagagaa aaataaaaca tgatcccat

50

<210> 7122  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7122  
ttgcttgatt tcccaaacca ctacctgaag gtggcttatg gtctacagct

50

<210> 7123  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7123  
ttccaccact tcaagactgg gggcaggtag agaagacaag cataagtaca

50

<210> 7124  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7124  
ttcttctctg cccctaacag aatgttcttc tcttgcttcc cacaccctcc

50

<210> 7125  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7125  
cagcacatct tctggtttac aagttgggta actatgaaag ctggagatgc 50

<210> 7126  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7126  
tatctaaatt ctacctttag catccaacta gctaccgtct ggcactggcc 50

<210> 7127  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7127  
tccaatgctc aagtcactct gagtctttgc tgggtgtcaac ctacaatgcc 50

<210> 7128  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7128  
acctcactat agtagccatt aggtaaagat gggccatatc caaatgggct 50

<210> 7129  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7129  
aagaactatt cctttgagaa tctttcctac tgggagttac tgctgtgatt 50

<210> 7130  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7130  
tctgtgtgaa catacatata ggactttgat tctacctgtg cctgaccatt 50

<210> 7131  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7131  
gtggagctgt tggccttgct ggatgcgggc actctctaca ccttcaggta 50

<210> 7132  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7132  
tgtcagtggc tctcactttg ttgaaattg ttgctttggg aaaaacacag 50

<210> 7133  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7133  
gatgcagtgg gttaggggtt ggggttacag actgacttga gctcggagtc 50

<210> 7134  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7134  
tcaggcactc agtaaaggca agacttgagt gatacataaa gtcagttaca 50

<210> 7135  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7135  
ccttgggctg agtttgctgg tcctgaagat tacagttttg gttagagaga 50

<210> 7136  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7136  
acagcaaaca aagtgttcca atcctctatt aaccattta accaagagtt 50

<210> 7137  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7137  
agtgcattca cactgatgat aaacgatagt agcttcacag gtttgcttct 50

<210> 7138  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7138  
aagtgtgatt agaagcagct ggaagtagca gaggaggtgg aagttagtcc 50

<210> 7139  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7139  
caggagtaaa acagagctgg ttgtgtgata cctatgctgg gtggaagact 50

<210> 7140  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7140  
ggtgactatc ttaccggctc ccagtaaact ctgaacaatg taccagctaa 50

<210> 7141  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7141  
gcttgaagat gtctcaacag aaaatcaccg acatgaggaa gcatcacgct 50

<210> 7142  
<211> 56  
<212> DNA  
<213> Homo sapiens

<400> 7142  
aggaacatgg ctgcagcata taaaaagaat tgaattccat acttttgtta accctg 56

<210> 7143  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7143  
ggtgctgcc a taggtgccag taatgaccgt ttatgcggaa atcaattaca 50

<210> 7144  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7144  
tgaagtacta taggactcaa tgggaccagt agcagctcca agtggatcac 50

<210> 7145  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7145

acacgggacc tcctttgatc tttctgagaa ttaatagaga ttcatggca

50

<210> 7146

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7146

ccaaaaggag aaagatgact agggtcacac ttgaggattt gccagggtggg

50

<210> 7147

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7147

gcattcttctt tgaagacggg aactgtactt cagggtcttt tctgttttagc

50

<210> 7148

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7148

ggctcatttg gttttaaagt ctcttctatg ccatcccagg ggaggaggat

50

<210> 7149

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7149

gactgtggac acctctcact gtgtcttctt ggcaggcaga gcttactgac

50

<210> 7150

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7150

gcagggtgca gagcttcaca gcaggtagga agaagtaact aagtggaaac

50

<210> 7151

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7151

cagctaaagc cgtaggtcat tgtgactgtc cctgggatgt ggattactct

50

<210> 7152

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7152  
ccagaatgca gcctacagac caaatatcaa tggacttggt gtagccctgc 50

<210> 7153  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7153  
tttaaaccag gtctggaaaa aggaaggaga ggagggcatt ttagagaaga 50

<210> 7154  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7154  
gtggcttcgt aaaatagaag agcagtcact gtggaactac caaatggcga 50

<210> 7155  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7155  
cacaccacag ctggctggga gcagaggctg ctgggtctcat agtaatctac 50

<210> 7156  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7156  
tggagaaaat gagagacaga cagtgagtga gaaagtcagc gaaaaggaaa 50

<210> 7157  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7157  
acctactgtt gagattattc cctgtctcc acactgccag aaacttacca 50

<210> 7158  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7158  
ccaaatgata ctaggattaa gccccaaagc aaagtcaagc accaccatgg 50

<210> 7159  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7159  
tcccagagca acaactaagt ctcaactaat ggacaaccaa caccactga 50

<210> 7160  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7160  
ccacagaatg ggcattgtagt attgagattt gaattcatctg ctgtccagcc 50

<210> 7161  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7161  
acctcatccg gctgctcaag tgcaagcgtg acagcttccc caacttctg 50

<210> 7162  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7162  
gacctggtgc tgctgccctg gcatcttaatt aaaacctgct tataacttccc 50

<210> 7163  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7163  
gcataaggaa gacttgctcc cctgtcctat gaaagagaat agttttggag 50

<210> 7164  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7164  
gggactcatc tttccctcct tgggtgattcc gcagtggagag agtggctggg 50

<210> 7165  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7165

agactggatc gcacaccttt gcaacagatg tgttctgatt ctctgaacct 50

<210> 7166  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7166  
aagcaaatac cttttacaag tgaaaggaag aatttttctt ctgccgtcaa 50

<210> 7167  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7167  
gcaacaaatg cttctattcc atagctacgg cattgctcag taagttgagg 50

<210> 7168  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7168  
tccgtgtaga gggtacagcc ttttatgctg ttgagctccc aggtaccaa 50

<210> 7169  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7169  
gcccaattgg atttatagta tagcccttcc tcgactccca ccagacttgc 50

<210> 7170  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7170  
aagagtcct gagccccctg ccccagagc aataaagtca gctggctttc 50

<210> 7171  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7171  
gctcaacatg gaaagaaggt acagaaagtg atgtgttcaa aacattagca 50

<210> 7172  
<211> 50  
<212> DNA  
<213> Homo sapiens



<400> 7172  
ttatataccc tggccccatc tttctagggc ctggatctgc ttatagagca 50

<210> 7173  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7173  
gtttactccg tccctatcac tgggtgtggct gtgggcaaac cacttattgc 50

<210> 7174  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7174  
gaactgaagc ctgcacagtg tccaccctgt tcccaactccc atctttcttc 50

<210> 7175  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7175  
gaagaccaag agagacaaca gacgcagcaa acagccgaag caccagacaa 50

<210> 7176  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7176  
aattcagaaa attgttggga ggacagccct tttgtgaacc ttgtttgggg 50

<210> 7177  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7177  
tttaccacgc tctgaaggtc attgttcttg cctgtgtttg aataaaatca 50

<210> 7178  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7178  
gtctctgatg ctttgtatca ttcttgagca atcgctcggc cctgggacaa 50

<210> 7179  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7179  
ggtaagcccc tgagcctggg acctacatgt ggtttgcgta ataaaacatt 50

<210> 7180  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7180  
tctggctctg accggttgat ggccttgagc gaatgaaatc atgaaattga 50

<210> 7181  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7181  
tgccctacat agcaattttc tgtggcactg agaaaccatg tatgaccaca 50

<210> 7182  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7182  
gcagtgtact gtgtgcaata ccaagggcat agctccctgt aatttgggaa 50

<210> 7183  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7183  
ctgagactag ggtcccagca cagcccagaa acctttggcc acaagaagtg 50

<210> 7184  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7184  
tcgccttcca tggtttttaa atgcagtaaa taacatttct ggatgagact 50

<210> 7185  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7185  
gctttacccc cgcaggacat acacaggagc ctttgatctc attaaagaga 50

<210> 7186  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7186  
ggaatgtacc tctccccaac actgttttgt tagcgagcac cttttgacca 50

<210> 7187  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7187  
actcgtcag aagaggggaac taagcatttt tggcaaccaa tgggcagata 50

<210> 7188  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7188  
agctgtgtga acctctctta ttggaaattc tggtccgtgt ttgtgtaggt 50

<210> 7189  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7189  
agtcccatatc atttggacca tggcagctaa ttttgtaact taagcattca 50

<210> 7190  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7190  
ctgccccctt cctggacttc gtgccttact gagtctctaa gactttttct 50

<210> 7191  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7191  
ggataacatt tctcatgaac ccaactgcccc tctgcatttt cctcactggt 50

<210> 7192  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7192  
cgcttaagaa cattgcctct ggggtgtcatg tggaccagac ttctgaatag 50

<210> 7193  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7193  
gggttcaatc ccttcagctc aggcggacca tttagattta aattccactt 50

<210> 7194  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7194  
gctcctgccca gggctgttac cggtgttttc ttgaatcact cacaatgaga 50

<210> 7195  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7195  
aatctggcga aaccttcggt tgagggactg atgtgagtgt atgtccacct 50

<210> 7196  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7196  
gactatgggc tctgaagggg gcaggagtca gcaataaagc tatgtctgat 50

<210> 7197  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7197  
agggagggga cagatgggga gcttttctta cctattcaag gaatacgtgc 50

<210> 7198  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7198  
accttctgaa agctcacagt acacattagt atgtataact ggctttacca 50

<210> 7199  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7199  
tttaagggag tcaggaatag atgtatgaac agtcgtgtca ctggatgcct 50

<210> 7200  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7200  
cccaccttcc acctcttagc actggtgacc ccaaaaatga aaccatcaat 50

<210> 7201  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7201  
agaccagcag tgtttaaatc taaatacgtt gtgagtctgt tatctgtcct 50

<210> 7202  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7202  
acctcgacct cagagcctcc caccagaag atcctgcttc cgtgggtgag 50

<210> 7203  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7203  
gggcagtggg tcccagattg gctcacactg agaatgtaag aactacaaac 50

<210> 7204  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7204  
tggccttaag ttttctaatt caagcgggtt tttggaaaaa tttatggtct 50

<210> 7205  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7205  
tgcagagtta taagccccaa acaggtcatg ctccaataaa aatgattcta 50

<210> 7206  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7206

ccaaacaatg atgtggattc ttttgcacag aaatatttaa ggtgggatgg

50

<210> 7207

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7207

acaaaagtca actgttgtct cttttcaaac caaattggga gaattgttgc

50

<210> 7208

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7208

gctggggact ctagcctctg tgttcataaa gacattaaga agtggatgga

50

<210> 7209

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7209

ggagaatgac acatcaagct gctaacaatt gggggaaggg gaaggaagaa

50

<210> 7210

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7210

acctggggtt aatacagctc acatcactga atgttacaca tgagtttaaa

50

<210> 7211

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7211

cttaaggacg cttttgcctg gcccctttat tacagcccaa cacggtaggc

50

<210> 7212

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7212

tccatcagtg ccatttcctg tagaactaaa ggctgttcca agaattgtgg

50

<210> 7213

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7213  
atctgtaaag cactcagaag gcagccatcc ctagatgttg gtttcatgta

50

<210> 7214  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7214  
tggttagatt gttttcactt ggtgatcatg tcttttccat gtgtacctgt

50

<210> 7215  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7215  
catgtccctt gaaacatgat agttacatac acagttttct ctccacacat

50

<210> 7216  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7216  
aggtttcaca tgaacctggt ctaggctgtg gacattgggtg tggagagggt

50

<210> 7217  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7217  
gacacttggg gtccacaatc ccaggtccat actctaggtt ttggatacca

50

<210> 7218  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7218  
agaaatgatt tgcagctgag tgaatcagga agtgacagtg atgactgaag

50

<210> 7219  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7219  
tcctgagaga tggacaatga aatatcagtt ggtggatatg tgtgatagct

50

<210> 7220  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7220  
ctttcagggc aggcagctgt gcatgttctc tcaactaaag gtcttgtag 50

<210> 7221  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7221  
gctggacaca cggtgagatt ttctcgtatg taaataaaag gcaatttgg 50

<210> 7222  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7222  
ctcaacgaaa gggtcacact aacaggggag gattacagca ccacaatact 50

<210> 7223  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7223  
ccacactgaa cccaattaca cacagcggga gaacgcagta aacagcttctc 50

<210> 7224  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7224  
aggccctgga aaattttgtg cttccaacgt ggccttcaat tcttgctttt 50

<210> 7225  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7225  
tattaagctt gccaggtctc ctgttcacga aggttcccc agcggtggcc 50

<210> 7226  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7226



gctataccac tgactgtatt gaaaaccaa gtattaagag gggaaacgcc 50

<210> 7227  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7227  
tcggggtcag ttaagcctca gtattcttag cttttgttga ttttggcact 50

<210> 7228  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7228  
atggtgcaaa ccctggaaca gtatgaattc tgctacaaag tggtaacaaga 50

<210> 7229  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7229  
agaagcagcg agtgcacggg ctaattatca tcaatcttta tgtatttgtt 50

<210> 7230  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7230  
ggaaatgttg ctgtggggga ttcattgtaa ctctccttgt gaactgctca 50

<210> 7231  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7231  
atgccaaatt cctgacacgt ggcgtttgaa aataccatgg aacgtttcca 50

<210> 7232  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7232  
acattctgac tccatctgcg gcctcattaa ggtgatagaa acatactagg 50

<210> 7233  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7233  
atgataatgt tggcatctgt gataaactat caatgaggct cccatcatgc 50

<210> 7234  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7234  
agagtcacat gtagaaaagc ctccagtatt aagctcctga attcattcct 50

<210> 7235  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7235  
atggcaacaa tgctgacagc aagcagtaga tcctctgatt ccaattacca 50

<210> 7236  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7236  
gggaaccctc attaattaga caagaacacc aaggctatga ccacagcagc 50

<210> 7237  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7237  
ggctcaccag agtaccaga agaatcagta tggaattaga ggacagtggc 50

<210> 7238  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7238  
attccaggcc ctcagtcttt ggcaatggcc accctggtgt tggcatattg 50

<210> 7239  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7239  
gcatacataa aggcaaagaa tgacaaaagg cttaatccac ctagaagaca 50

<210> 7240  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7240  
atatagtggg agacaaaaca caggaggcgg gggatatcat gtagcagagc 50

<210> 7241  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7241  
tctaattgtgc cttggatatg tgccaaatga tggaaaagaa acagttaaact 50

<210> 7242  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7242  
gcttggtctca tctgggggttt gctgggctta acaccaata aagaactttg 50

<210> 7243  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7243  
ctgcgggtttt ggaaccttac ctctcctcct tagcccaata tgctgtcttg 50

<210> 7244  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7244  
tccaggccat tttgcaggga ctctgaagtg accttttagta gtaatagtct 50

<210> 7245  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7245  
tggcagccag gaactgagta tgacaatgtt gtactaaaga aaggcccaaa 50

<210> 7246  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7246  
agagagagac atatcacgct gctgtcatga ttttgtgtca agatgatcca 50

<210> 7247  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7247  
cttctgggga cctttcctac ccccatcagc atcaataaaa ctcctgtct 50

<210> 7248  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7248  
tagatgattt ctagcaggca ggaagtcctg tgcggtgtca ccatgagcac 50

<210> 7249  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7249  
ccatggtctg gggcttgagg aagatgagtt tgttgattta aataaagaat 50

<210> 7250  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7250  
aggtcaagg cttactattt ctgggtcttt tgctactaag ttcacattag 50

<210> 7251  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7251  
tttctgggga cctcttgaat tacatgctgt aacatatgaa gtgatgtggt 50

<210> 7252  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7252  
tggcacaaaa cctcctcctc ccaggcactc atttatattg ctctgaaaga 50

<210> 7253  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7253  
tgaggctact gccacttctc acatgctgct taaggaggca caaataaagg 50

<210> 7254  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7254  
cacgctaccc cctgccttgg gaggtgtgtg gaataaatta tttttgttaa 50

<210> 7255  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7255  
aatgcagaga atggaaagta gcgcacccct gaggtggac tccagatctg 50

<210> 7256  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7256  
gtggcacacc actccttcca gcagtagtcg ctttactgtt acctgtttag 50

<210> 7257  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7257  
agcaacagta ttctgcatgg ttcactgctt aagaaaatgc cttctggaat 50

<210> 7258  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7258  
aaacatgtcc ctggagagta gcctgctccc aactgtcac tggatgtcat 50

<210> 7259  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7259  
cagttgcagc ctcttgacct cggataacaa taagagagct catctcattt 50

<210> 7260  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7260  
tgggcttggt cttccagttg gcatttgcct gaagttgtat tgaacaatt 50

<210> 7261  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7261  
ttctgccgtg tgtatcccca acccttgacc caatgacacc aaacacagtg 50

<210> 7262  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7262  
tgtgtgcgac agggaggaag tttcaataaa gcaacaacaa gtttcaagga 50

<210> 7263  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7263  
ctcccccttg gcggctgaga gcccagctg acatggaaat acagttgttg 50

<210> 7264  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7264  
ctccaccacc tgaccagagt gttctcttca gaggactggc tcctttccca 50

<210> 7265  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7265  
ctctgccctc ctgtcaccca gtagagtaaa taaacttcct tggctcctaa 50

<210> 7266  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7266  
aaattccagc cttgactttc ttctgtgcac ctgatgggag ggtaatgtct 50

<210> 7267  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7267

ctgtaggcca ggggtggaatg aagtcagctc ctttttatag ttgaaataca

50

<210> 7268

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7268

ttggcggggcc atcccaacag gtgatgaccc cacaaggaag aggtactgtt

50

<210> 7269

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7269

ggaagatgga aataaacctg cgtgtgggtg gagtgttctc gtgccgaatt

50

<210> 7270

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7270

agtgaggaca atgtggcttg ctcctttttg aatctacaga taatgcatgt

50

<210> 7271

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7271

gaggggtgggg gagggaggtg gagggagggg aggggttctc tattaaaatg

50

<210> 7272

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7272

tgctgactgt agctttggaa gtttagctct gagaaccgta gatgatttca

50

<210> 7273

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7273

gattgaggaa ggtccgcaca gcctgtctct gctcagttgc aataaacgtg

50

<210> 7274

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7274  
gattcttgtc tggetaataa atcatcacca actgccttct cctacagga 50

<210> 7275  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7275  
agattcttag ggcacgtttg ttccccttgg agggttttcc acacggagtc 50

<210> 7276  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7276  
gccatactct ggctgcctct ttgccttcct aggggcattt tctttaactt 50

<210> 7277  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7277  
tgcctcttat ctacttgaga gcaacatgtc ttttcaatca tgggattgac 50

<210> 7278  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7278  
tggacctgtg acattctgga ctatttctgt gtttatttgt ggccgagtgt 50

<210> 7279  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7279  
tgaagggtgc tgtgacctct ttgatgtgcc tggtctcaac ctctgactga 50

<210> 7280  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7280  
cctggagtcc ctgaataaag ataagaagca tcaactgaaga taatacctgg 50



<210> 7281  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7281  
ttgtcccgaa gatttgcgcc tttagtgcct tttgaggggt toccatcatc 50

<210> 7282  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7282  
ctgctaggct ctgcccacg gccaccaaca ctctgtaat tccaataaag 50

<210> 7283  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7283  
ttaaaatact gtcattgggt gggaggggat tgcattaaat gattagtcca 50

<210> 7284  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7284  
ctcacacag caggcgacag tcagaacaaa caggaacaaa gctacaacac 50

<210> 7285  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7285  
tgaatagtgt gcagactcac agataataaa gctcagagca gctcccggca 50

<210> 7286  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7286  
cccagtgtt cacgaagtta aaggaaagat ctgctggtag tgtttagtct 50

<210> 7287  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7287

cgagccgacc atgtcttcat ttgcttccac aagaaccgcg aggacagagc

50

<210> 7288

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7288

ttttccccct ttagtctcct ggctttttcc ttcccttcc cttctccact

50

<210> 7289

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7289

aaccggttgt ggaaattatt ggaattaact gagccaaagt gattatgcat

50

<210> 7290

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7290

gccccgatc ctacaccctg agcctcagag cactgctact ttttaaaata

50

<210> 7291

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7291

aagcgtctca tggagttcgg actggttggg gtgataatat ttgtttcttt

50

<210> 7292

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7292

aagccaggct ttgggataca agttctttcc tcttcatttg atgccgtgca

50

<210> 7293

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7293

agctgtcacc actacagtaa gctggtttac agatgttttc cactgagcat

50

<210> 7294

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7294  
tgaaggtaca tcgtttgcaa atgtgagttt cctctcctgt ccgtgtttgt

50

<210> 7295  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7295  
ggatacaaac tggatttctg ttctggagga aaggaggag tggaggtggg

50

<210> 7296  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7296  
ctgccgctgc ccagccacat cccttggtt tgtattttat ttacagagtt

50

<210> 7297  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7297  
tgcagtagac gatacaggtt gcatgtggac actcagtcac attaacaact

50

<210> 7298  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7298  
ccccaaccac aggcattcagg caaccatttg aaataaaact ccttcagcct

50

<210> 7299  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7299  
gtactgaggt gactggtata gtctgatgag aaagatgtgg attgccataa

50

<210> 7300  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7300  
cacttggttca atcatggaac ttctagaac gctgccactc ttcaaaggct

50

<210> 7301  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7301  
tcacacagt gtggaagggt tgcaaatca aaacatgtca cccaagctct 50

<210> 7302  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7302  
acaacctgat cattgaagcc aactttgtcc cagcacattc cttaagtcct 50

<210> 7303  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7303  
acttgattag gtcagggttt tcctttgggt tctgcttttc agtgaatggc 50

<210> 7304  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7304  
ttgcagacaa attcctctga gcttagctag gagttcatta tgcttcctgt 50

<210> 7305  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7305  
acagtagctt agcatcagag gtttgcttcc tcagtaacat ttctgttctc 50

<210> 7306  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7306  
atgtgagcca gagcatgttg cagcaaactt attgtttgta aaaataacaa 50

<210> 7307  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7307  
tttgtgcat gtggctacat tagttgatgt ttatcgagtt cattgggtcaa 50

<210> 7308  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7308  
agcccaacca ttaaaaattt aatacaactt ggtttctccc ctttttctct 50

<210> 7309  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7309  
gcaaagaaag aagaatccga ggagtctgat gatgacatgg gctttggctc 50

<210> 7310  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7310  
ttgaaaagat gacatcgccc caagagccaa aaataaatgg gaattgaaaa 50

<210> 7311  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7311  
tttctctgac caagactgag ggatgggctg gaggttttca actttgctac 50

<210> 7312  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7312  
tctgggactg ggcaaatgtt tgtgtggcct ccttaaacta gctgttatgt 50

<210> 7313  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7313  
aacctaaacg tatttcacta actctggctc cttctccata aagcacattt 50

<210> 7314  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7314  
ccaccaaatg catgtcatgt attctcaata ggctgtattc ccagcagtca 50

<210> 7315  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7315  
tgtacaggta gctaactttg taaacgctgt gtattccctc tgcccccatg 50

<210> 7316  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7316  
tctcatcatt tcgaagatag cagagtcata gttgggcacc cagtgattgg 50

<210> 7317  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7317  
caacaagggtg gaaacaaggg ctggagctgc gtttgttttg ccatcactat 50

<210> 7318  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7318  
gagcattcct caggggaggt cacctgtgag gttcccagaa ctgtagtttt 50

<210> 7319  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7319  
tgcagggtgtt gacaagatcc gccatctgta atgtccttgg cacaataaaa 50

<210> 7320  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7320  
aagagtctga cttctcacta ggagcatgtc tggtgtactt acttcaaaca 50

<210> 7321  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7321  
caaacaccaa accaagataa caccggaacg ataaacagca gaaacagaga 50

<210> 7322  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7322  
tgggtttgtc cagttcaggc tagatgtgca tcatggcagg aagaaagaag 50

<210> 7323  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7323  
aaggatgttc cttcaggagg aagcagcact aaaagcactc tgagtcaaga 50

<210> 7324  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7324  
cggaagccac cgtgtgggtc tttcacaggc acgtttatatt tgctgaaata 50

<210> 7325  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7325  
cctccactca gctgtcctgc agcaaact ccaccctcca ccttccattt 50

<210> 7326  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7326  
tccctccttc cagtgttcct tagaacagac atttaggtat ctcaggtcct 50

<210> 7327  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7327  
cagccgcagc atctaaacga acaacagagg agaacgacga ggacagagtt 50

<210> 7328  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7328

tcactggatt tctgtgtctt cactagaaca ccattgtcat ctcatattga

50

<210> 7329

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7329

gcttctctcg cacccccagc acctctgtcc caaaacctca ttcccttttt

50

<210> 7330

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7330

agctgctcac agacaccagc aaagcaatgt gctcctgac aagtagattt

50

<210> 7331

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7331

atgctcatgt ggtgtcccca ccgccactt gtttgatgtc actgactgtc

50

<210> 7332

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7332

gctgagtgtg tcgctccctg gtccactgtt tctcctataa atgtaaattg

50

<210> 7333

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7333

tgcagcacat tgataagatg gtttccgtga gctatgataa gattgaaatt

50

<210> 7334

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7334

ataaatatgc agtgatatgg cagaagacac cagagcagat gcagagagcc

50

<210> 7335



<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7335  
ttgaaccggg aagtgggagg acgtagagca gagaagagaa cattttttaa 50

<210> 7336  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7336  
tttgctcatt ctaaactcaa gcttttaagc ctcacagaat ttacaggggt 50

<210> 7337  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7337  
gccataggct tacatggggc atactcgta cacagtcaga atgtttgaaa 50

<210> 7338  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7338  
ggtctctcgc tctgtctttc cagcatccac tctccottgt ccttctgggg 50

<210> 7339  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7339  
tcagcaccaa gtcatgttta aaagaccaga gagacaagca ttttgccaag 50

<210> 7340  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7340  
cgaaccctgt ctagaaggaa tgtatttggt gctaaatttc gtagcactgt 50

<210> 7341  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7341  
caaatggcct tgggtcccga gcttgtgtgc gtgagtcag tgtgagtgtg 50

<210> 7342  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7342  
ctcttggaaa gacttctctg ccatcccttt gcacctgaga ggggaagttc 50

<210> 7343  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7343  
ggcgcggtga cccacttatg ggacttggcc tttctttggt gtttgtttaa 50

<210> 7344  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 7344  
accagttca tgattacttc tactcttaac actcaatccc cctaattaaa cc 52

<210> 7345  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7345  
ttcgataaac agcgttgact tgcttgtaac acttaagagt tgtgagtgct 50

<210> 7346  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7346  
tccagaactt tgtctatcac tctccccaac aacctagatg tgaaaacaga 50

<210> 7347  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7347  
gggatctttc aaatggatag tgagttgcct tttcctatag gtgacaatca 50

<210> 7348  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7348

agagcaagca ttacagaaaa taggtctgga agacaggaaa aggacaaaga 50

<210> 7349  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7349  
atgtgtcctg cccctcagct ctttgcctta tctgtgtcac tgtcacttta 50

<210> 7350  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7350  
tcctgtgaat tgaatttctc ttcaatcaaa gtgccccaaa cagaagcaca 50

<210> 7351  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7351  
agggtcccctg cctgggtacaa agaaaagcaa aaagaattta cgaagattgt 50

<210> 7352  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7352  
gccagaagca taatttacca gagacgagaa caggggtgtgg gagagaggaa 50

<210> 7353  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7353  
tctttcttcc ctcgtgacag tgggtgtgtgg tgcgtctgt gaatgctaag 50

<210> 7354  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7354  
cagtcaaaca ttttaccttg tgccttggt cactctgtgc cttttctcca 50

<210> 7355  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7355  
acaggaaacg ggctttctct gaattggtaa atgggaaaga agtgagcaac 50

<210> 7356  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7356  
gtccctggac acagctcttc attccattga cttagaggca acaggattga 50

<210> 7357  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7357  
accctcgcca caagattctg caatctccta aagtacagat gagaaaggaa 50

<210> 7358  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7358  
tgccaagggg ttaatgaaac aaatagctgt tgacgtttgc tcatttaaga 50

<210> 7359  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7359  
cagtggcaca ccttaaccag tcactaattt tcactgttgt gaaagtgatt 50

<210> 7360  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7360  
cccagtgcc aagagaagac gggatttgaa gctgtacca atttaattcc 50

<210> 7361  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7361  
tgagccctac tcctgcaga tgccacccta gccaatgtct cctccccttc 50

<210> 7362  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7362  
gcagggaggg gaggataagt gggatctacc aattgattct ggcaaaacaa 50

<210> 7363  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7363  
ggccactacc ttgtttggaa acaaagcata agggagtga agtgtctaaa 50

<210> 7364  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7364  
gctggcccga tctctcccca cagttgcaag aagcattttc aaagaatagt 50

<210> 7365  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7365  
attgggatga aactacttta gcaaagtcca cagatcagaa accagacggt 50

<210> 7366  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7366  
aggagactgg gtgctataat tagattattt tgaggcagac agagagctgt 50

<210> 7367  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7367  
agcctgcaag gttaggactt gaagagggaa ggtatttaata aactgggcga 50

<210> 7368  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7368  
ttagtgcagt tggaatgaat gtgtataggt cagaggtcct cgtgttcaca 50

<210> 7369  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7369  
tcacctctca gttgaaagat ttcttctttg aaaggtaag accgtgaact 50

<210> 7370  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7370  
agtctggatg taaggcctgc ctcaaagaga cactaatggg agggaaacaaa 50

<210> 7371  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7371  
aaaggaagaa gcacgatgca aacagaaaca agacgagaca gaggtagcga 50

<210> 7372  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7372  
actgcttcaa gtcttgaccc ctttgtgtct aatagctaaa caaacatgtg 50

<210> 7373  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7373  
aacaatagga ataaggttac ttcagcctta aggggcttat catactgctg 50

<210> 7374  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7374  
gacagggaaa tctgcctacc aagaggggtg tgtgtgtctt tgtgcccaca 50

<210> 7375  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7375  
aacaagtcca tgactcccaa ggggttaagg accaatggtt cagtgagaca 50

<210> 7376  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7376  
acactcatatc tcatatgtac gtgctcagtc gaacggactg cagtccgttc 50

<210> 7377  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7377  
tactgctatg gaatgagacc accacttctc ctgttgctct tcccagcttc 50

<210> 7378  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7378  
tgccaagtga ggacaaactg ctaggctgta tcccataatt tcaggatgag 50

<210> 7379  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7379  
aaaccgaccg cctgtaggct cctggaacta tacagatagg taaagagttc 50

<210> 7380  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7380  
gaccaatcat cagactcctt gaactcccc actctgctgg ctctgtaacc 50

<210> 7381  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7381  
agagatccag gtgcaagtgg attgagacag cagcaacagc tcaagagata 50

<210> 7382  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7382  
atgtcccttt ctcctctccc ctcttctctt tactgctgtt ctccttttct 50

<210> 7383  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7383  
acatccatag aacaatacat caaagttgtt gaagtgttgc aggggagggc 50

<210> 7384  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7384  
agcacttact gtcaggcatt cagaatgtga gcaatgacaa taatttacct 50

<210> 7385  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7385  
aatctgattg agtctccact ccacaagcac tcagggttcc ccagcagctc 50

<210> 7386  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7386  
aaccaagaa aagagttgct cttactatct actgctgact cttgaacttt 50

<210> 7387  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7387  
ttcgtagggtg ggcttttcct atcagagctt ggctcataac caaataaagt 50

<210> 7388  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7388  
aggtgggctg gacttctacc tgccctcaag ggtgtgtata ttgtataggg 50

<210> 7389  
<211> 50  
<212> DNA



<213> Homo sapiens

<400> 7389

tgtgtcagaa tggcactagt tcagtttatg tcccttctga tatagtagct

50

<210> 7390

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7390

ctatcagccc caagtggagc agaacagagg gatttgggag gaatgcctc

50

<210> 7391

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7391

tgctaaggag aggggccatg aagagttttg ttgagaacat cgtgtctgag

50

<210> 7392

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7392

agtcagaact tcaagtcccc attaaagggg ctggaaaata cagtacagt

50

<210> 7393

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7393

ctccccctcc tgcacccgta cccccgtggg ctttgaataa agtctgagtg

50

<210> 7394

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7394

cagatggttg tgggggtcaag tacatcccca gtcgtggccc tttggacaag

50

<210> 7395

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7395

ttttggcctg tttgatgtat gtgtgaaaca atgttgtcca acaataaaca

50

<210> 7396

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7396  
agcctagggtg acagagcaag actccatttc aaaaacaaaa caaaacaaaa 50

<210> 7397  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7397  
acactgagaa tacacgacat acacgcacgc acaagacaac aacagacagc 50

<210> 7398  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7398  
cagccacctc ctcaggctcag acaagcccag caccacaaata ccactatctg 50

<210> 7399  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7399  
ggcttcacctt ttacctccca gcgaaattcg tagtctttct ctatggagtt 50

<210> 7400  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7400  
tgctgatgtg ttaggtagtt gtggcacact cacctgtctt tcctaaatgc 50

<210> 7401  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7401  
ttcatgctca gcaaaacaac gttttaggat ggtgagagaa gacaaagtaa 50

<210> 7402  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7402  
tattaaccac tcacgggagc tctccatgca tttggtatct tcgtctgggg 50

<210> 7403  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7403  
ttacctgctt tgcattgctt ccatcgctca agtcttcttg aaacttaggc 50

<210> 7404  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7404  
ccccacccca acacatacaa acgtttccca ccaatccttg aactgcaaaa 50

<210> 7405  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7405  
ttcaaggtcc caatacccaa ctaactcgaa ggaagaaatg gaaatctatt 50

<210> 7406  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7406  
tgcacagaac tcttacttac atgtctcatc gaaactccag aacaccgtcg 50

<210> 7407  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7407  
tgcattgctc ccggttaattc aaatccaatt tcacagccac tgctgaatat 50

<210> 7408  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7408  
tacaggaaaa tgaaactaga cgggtggggg aactagaat gaaaaccagt 50

<210> 7409  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7409

agttttctgct ttcagtgaact gaggctttgc tttaacctgg tgactcccaa 50

<210> 7410  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7410  
tcccacttca agttaagcac caaagcaatc actaattctg gagcacagga 50

<210> 7411  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7411  
catggatggg ggcagtgggtg tttctagtgt gtgaggaagc agagcagatg 50

<210> 7412  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7412  
tcaccacaga tgggaagatc gtttctgaa aacagtctat aatcacaga 50

<210> 7413  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7413  
cagacgctcc agtgctgccg aggttagtgt gtttattaga cctgaaatga 50

<210> 7414  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7414  
ccctttaggc ctcttgcccg aacagtgaac actaatagat atcctaagct 50

<210> 7415  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7415  
atggggatca tgttttatatt ttctctatat aatgggccag tgtgttccca 50

<210> 7416  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7416  
agctgtagac cataagccac cttcaggtag tggtttggga aatcaagcaa 50

<210> 7417  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7417  
tgtacttatg cttgtcttct ctacctgcc ccagtcttga agtggtgga 50

<210> 7418  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7418  
ggaggggtg ggaagcaaga gaagaacatt ctgtagggg cagagaagaa 50

<210> 7419  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7419  
gcattccag ctttcatagt taccacactt gtaaacaga agatgtgctg 50

<210> 7420  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7420  
ggccagtgc agacggtagc tagttggatg ctaaaggtag aatttagata 50

<210> 7421  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7421  
ggcattgtg gttgacacca gcaaagactc agagtgactt gagcattgga 50

<210> 7422  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7422  
agccatttg gatatggccc atctttacct aatggetact atagtgaggt 50

<210> 7423  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7423  
aatcacagca gtaactccca gtaggaaaga ttctcaaagg aatagttctt 50

<210> 7424  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7424  
aatggtcagg cacaggtaga atcaaagtcc tgtatgtatg ttcacacaga 50

<210> 7425  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7425  
tacctgaagg tgtagagagt gcccgcatcc agcaaggcca acagctccac 50

<210> 7426  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7426  
ctgtgttttt cccaaagcaa caatttcaaa caaagtgaga gccactgaca 50

<210> 7427  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7427  
gactccgagc tcaagtcagt ctgtaccccc aaccctaac ccactgcatc 50

<210> 7428  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7428  
tgtaactgac tttatgtatc actcaagtct tgcctttact gagtgcctga 50

<210> 7429  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7429  
tctctctaac caaaactgta atcttcagga ccagcaaact cagcccaagg 50

<210> 7430  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7430  
aactcttggt taaatgggtt aatagaggat tggaacactt tgtttgctgt

50

<210> 7431  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7431  
agaagcaaac ctgtgaagct actatcgttt atcatcagtg tgaatgcact

50

<210> 7432  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7432  
ggactaactt ccacctctc tgctacttcc agctgcttct aatcacactt

50

<210> 7433  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7433  
agtcttcac ccagcatagg taccacaaa ccagctctgt tttactcctg

50

<210> 7434  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7434  
ttagctggta cattgttcag agtttactgg gagccggtaa gatagtcacc

50

<210> 7435  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7435  
agcgtgatgc ttcctcatgt cggtgatttt ctgttgagac atcttcaagc

50

<210> 7436  
<211> 56  
<212> DNA  
<213> Homo sapiens

<400> 7436  
acaaaagtat ggaattcaat tctttttata tgctgcagcc atgttcctgc cctaga

56

<210> 7437  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7437  
tgtaattgat ttccgcataa acggtcatta ctggcaccta tggcagcacc 50

<210> 7438  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7438  
gtgatccact tggagctgct actgggccca ttgagtccta tagtacttca 50

<210> 7439  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7439  
tgccatgaaa tctctattaa ttctcagaaa gatcaaagga ggtcccgtgt 50

<210> 7440  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7440  
cccacctggc aaatcctcaa gtgtgaccct agtcatcttt ctccttttgg 50

<210> 7441  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7441  
gctaaacaga aaagaacctg aagtacagtt cccgtcttca aagaagatgc 50

<210> 7442  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7442  
atcctcctcc cctgggatgg catagaagag actttaaaac caaatgagcc 50

<210> 7443  
<211> 50  
<212> DNA  
<213> Homo sapiens



<400> 7443  
gtcagtaagc tctgcctgcc aagaagacac agtgagaggt gtccacagtc 50

<210> 7444  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7444  
gtttccactt agttacttct tcctacctgc tgtgaagctc tgcaccctgc 50

<210> 7445  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7445  
agagtaatcc acatcccagg gacagtcaca atgacctacg gcttttagctg 50

<210> 7446  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7446  
gcagggctac accaagtcca ttgatatttg gtctgtaggc tgcattctgg 50

<210> 7447  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7447  
tcttctctaa aatgccttcc tctccttctc ttttcagac ctggtttaa 50

<210> 7448  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7448  
tcgccatttg gtagttccac agtgactgct cttctatttt acgaagccac 50

<210> 7449  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7449  
gtagattact atgagaccag cagcctctgc tcccagccag ctgtggtgtg 50

<210> 7450  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7450

tttccttttc gctgactttc tcactcactg tctgtctctc attttctcca 50

<210> 7451

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7451

tggttaagttt ctggcagtgt ggagacaggg gaataatctc aacagtaggt 50

<210> 7452

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7452

ccatggtggt gcttgacttt gctttggggc ttaatcctag tatcatttgg 50

<210> 7453

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7453

tcagtgggtg ttggttggtcc attagttgag acttagttgt tgctctggga 50

<210> 7454

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7454

ggctggacag cagatgattc aaatctcaat actacatgcc cattctgtgg 50

<210> 7455

<211> 50

<212> DNA

<213> Human cytomegalovirus

<400> 7455

aataatagat tagcagaagg aataatccgt gcgaccgagc ttgtgcttct 50

<210> 7456

<211> 50

<212> DNA

<213> Human cytomegalovirus

<400> 7456

ttttgcgaac ttttaggaac cagcaagtca acaaaagact aacaaagaaa 50

<210> 7457

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7457  
gagatcgaca tcgtcatcga ccgacctccg cagcaacccc tacccaatcc

50

<210> 7458  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7458  
acattcaaaa gtttgagcgt cttcatgtac gccgttttcg gcctcacgag

50

<210> 7459  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7459  
ccaacgacac atccacaaaa atcccccatc gactctcaca atcgcatcat

50

<210> 7460  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7460  
ctttgagcag gttctcaagg ctgtaactaa cgtgctgtcg cccgtctttc

50

<210> 7461  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7461  
gatgtccgtc tacgcgctat cggccatcat cggcatctat ctgctctacc

50

<210> 7462  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7462  
tcttctgga cgccaacgac atctaccgca tcttcgccga attggaaggc

50

<210> 7463  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7463  
acgaacagaa atctcaaaag acgctgaccc gataagtacc gtcacggaga

50

<210> 7464  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7464  
agagaacaac aaaaccacca cgacgatgaa acaaaacgct caaccaaaaca 50

<210> 7465  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7465  
ctgcatcgtc gtcgtcctcc tcctctcgga gatcgcgacg gagaaacaac 50

<210> 7466  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7466  
ctgagcctgg ccategaggc agccatccag gacctgagga acaagtctca 50

<210> 7467  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7467  
cctctggagg caagagcacc caccctatgg tgactagaag caaggctgac 50

<210> 7468  
<211> 50  
<212> DNA  
<213> Human cytomegalovirus

<400> 7468  
ttcgtgggca ccaagtttcg caagaactac actgtctgct ggccgagttt 50

<210> 7469  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7469  
ctgtggaatg tatcgaggac ttgcttaacg agtctgggca acctttggac 50

<210> 7470  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7470

gctggcctgc acccgcgctg agtttggctc tagcgatgaa gatacagatt 50

<210> 7471  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7471  
ggggcggtta ggctgtcctc cttctcgact gactccatga tctttttctg 50

<210> 7472  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7472  
tgtttgcctt attattatgt ggcttatttg ttgcctaaag cgcagacgcg 50

<210> 7473  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7473  
acggtgatca atataagcta tgtgggtggtg gggctatact actgaatgaa 50

<210> 7474  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7474  
tttctgccct gaaggttcc tccctccca atgcgggtta aaacataaat 50

<210> 7475  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7475  
ggcttatgcc catgtatctg aacatccaga gtcaccttta ccacgtcctg 50

<210> 7476  
<211> 50  
<212> DNA  
<213> Human adenovirus type 2

<400> 7476  
ctactgccgt acagcgaaag ccgccccaac ccgcgaaacg aggagatatg 50

<210> 7477  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7477  
cagatagtgg tatttgggtg ctgggcttgt ctgacctgag gaggtggctg 50

<210> 7478  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7478  
aactccatag agaaagacta cgaatttcgc tgggaggtaa tagggaagcc 50

<210> 7479  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7479  
gcatttagga aagacaggtg agtgtgccac aactacctaa cacatcagca 50

<210> 7480  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7480  
ttactttgtc ttctctcacc atcctaaaac gttgttttgc tgagcatgaa 50

<210> 7481  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7481  
ccccagacga aaataccaaa tgcattggaga gctcccgta gtgggttaata 50

<210> 7482  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7482  
gcctaagttt ccagaagact ttgacgatgg agagcatgca aagcaggtaa 50

<210> 7483  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7483  
ttttgcagtt caaggattgg tgggaaacgt ttgtatgtgt tggggtgggg 50

<210> 7484  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7484  
aatagatttc catttcttcc ttcgagttag ttgggtattg ggaccttgaa 50

<210> 7485  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7485  
cgacggtggt ctggagtttc gatgagacat gtaagtaaga gttctgtgca 50

<210> 7486  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7486  
atattcagca gtggtgtga aattggattt gaattaccgg gatacatgca 50

<210> 7487  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7487  
actggttttc attctagtgt cccccaccgg tctagtttca ttttctgtga 50

<210> 7488  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7488  
ttgggagtca ccaggttaaa gcaaagcctc agtcactgaa agcagaaact 50

<210> 7489  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7489  
tctgtgctc cagaattagt gattgctttg gtgcttaact tgaagtggga 50

<210> 7490  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7490  
catctgtctt gttcctcac aactagaaa caccactgcc cccatccatg 50

<210> 7491  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7491  
tctgtgattt atagactggt ttcaggaaac gatcttccca tctgtggtga 50

<210> 7492  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7492  
tcatttcagg tctaataaac acactaacct cggcagcact ggagcgtctg 50

<210> 7493  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7493  
agcttaggat atctattagt gttcactggt cgggcaagag gcctaaaggg 50

<210> 7494  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7494  
tggaacaca ctggcccatt atatagagaa aaataaaaaca tgatcccat 50

<210> 7495  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7495  
ttgcttgatt tcccaaacca ctacctgaag gtggcttatg gtctacagct 50

<210> 7496  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7496  
ttccaccact tcaagactgg gggcaggtag agaagacaag cataagtaca 50

<210> 7497  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7497  
ttcttctctg cccctaacag aatgttcttc tcttgcttcc cacacctcc 50



<210> 7498  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7498  
cagcacatct tctggtttac aagttgggta actatgaaag ctggagatgc 50

<210> 7499  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7499  
tatctaaatt ctaccttttag catccaacta gctaccgtct ggcaactggcc 50

<210> 7500  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7500  
tccaatgctc aagtcactct gagtctttgc tgggtgcaac ctacaatgcc 50

<210> 7501  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7501  
acctcactat agtagccatt aggtaaagat gggccatatc caaatgggct 50

<210> 7502  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7502  
aagaactatt cctttgagaa tcttttctac tgggagttac tgctgtgatt 50

<210> 7503  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7503  
tctgtgtgaa catacatata ggactttgat tctacctgtg cctgaccatt 50

<210> 7504  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7504  
gtggagctgt tggccttgct ggatgcgggc actctctaca ccttcaggta 50

<210> 7505  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7505  
tgtcagtggc tctcactttg ttgaaattg ttgctttggg aaaaacacag 50

<210> 7506  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7506  
gatgcagtgg gttaggggtt gggggtacag actgacttga gctcggagtc 50

<210> 7507  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7507  
tcaggcactc agtaaaggca agacttgagt gatacataaa gtcagttaca 50

<210> 7508  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7508  
ccttgggctg agtttgctgg tcctgaagat tacagttttg gttagagaga 50

<210> 7509  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7509  
acagcaaaca aagtgttcca atcctctatt aaccatttta accaagagtt 50

<210> 7510  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7510  
agtgcattca cactgatgat aaacgatagt agcttcacag gtttgcttct 50

<210> 7511  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7511

aagtgtgatt agaagcagct ggaagtagca gaggaggtgg aagttagtcc

50

<210> 7512

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7512

caggagtaaa acagagctgg ttgtgtgata cctatgctgg gtggaagact

50

<210> 7513

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7513

ggtgactatc ttaccggctc ccagtaaact ctgaacaatg taccagctaa

50

<210> 7514

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7514

gcttgaagat gtctcaacag aaaatcaccg acatgaggaa gcatcacgct

50

<210> 7515

<211> 56

<212> DNA

<213> Homo sapiens

<400> 7515

tctagggcag gaacatggct gcagcatata aaaagaattg aattccatac ttttgt

56

<210> 7516

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7516

ggtgctgcc a taggtgccag taatgaccgt ttatgcgga atcaattaca

50

<210> 7517

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7517

tgaagtacta taggactcaa tgggaccagt agcagctcca agtggatcac

50

<210> 7518

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7518  
acacgggacc tcctttgatc tttctgagaa ttaatagaga tttcatggca

50

<210> 7519  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7519  
ccaaaaggag aaagatgact agggtcacac ttgaggattt gccagggtggg

50

<210> 7520  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7520  
gcattcttctt tgaagacggg aactgtactt cagggttcttt tctgttttagc

50

<210> 7521  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7521  
ggctcatttg gttttaaaagt ctcttctatg ccatcccagg ggaggaggat

50

<210> 7522  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7522  
gactgtggac acctctcact gtgtcttctt ggcaggcaga gcttactgac

50

<210> 7523  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7523  
gcagggtgca gagcttcaca gcaggtagga agaagtaact aagtggaaac

50

<210> 7524  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7524  
cagctaaagc cgtaggtcat tgtgactgtc cctgggatgt ggattactct

50

<210> 7525  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7525  
ccagaatgca gcctacagac caaatatcaa tggacttggt gtagccctgc 50

<210> 7526  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7526  
tttaaaccag gtctggaaaa aggaaggaga ggagggcatt ttagagaaga 50

<210> 7527  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7527  
gtggcttcgt aaaatagaag agcagtcact gtggaactac caaatggcga 50

<210> 7528  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7528  
cacaccacag ctggctggga gcagaggctg ctggtctcat agtaatctac 50

<210> 7529  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7529  
tggagaaaat gagagacaga cagtgagtga gaaagtcagc gaaaaggaaa 50

<210> 7530  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7530  
acctactgtt gagattattc ccctgtctcc aactgccag aaacttacca 50

<210> 7531  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7531

ccaaatgata ctaggattaa gcccacaaagc aaagtcaagc accaccatgg 50

<210> 7532  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7532  
tcccagagca acaactaagt ctcaactaat ggacaaccaa caccactga 50

<210> 7533  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7533  
ccacagaatg ggcattgtagt attgagattt gaatcatctg ctgtccagcc 50

<210> 7534  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7534  
tactggcgtc gagccactg cctcagaaga ctccctttca tctgttctta 50

<210> 7535  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7535  
gtttcaaggg acatcttcag agccaacatc taccctcggg gctttgtgaa 50

<210> 7536  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7536  
ctacagttct accataaaca ctcagtcccc gtgtacttcc ctgcacagga 50

<210> 7537  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7537  
tagttgcatg tgacaacaga gatcaacgac gagaccctcc acagtatccg 50

<210> 7538  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7538  
ttgaccatag aatcaagcct gaggtgtga agatgggtgca agtgtggaga 50

<210> 7539  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7539  
ctgctgtctt caccgaatc tccattacc ggcctggat caaccagatc 50

<210> 7540  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7540  
gtcactggag gaccaacccc tgctgtcaa aacaccactg cttcctaccc 50

<210> 7541  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7541  
catgccatgc atatttcaac tgggtgtct atttttgaca ccagcttatt 50

<210> 7542  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7542  
gagaagcacc tcaacctgga gacaattcta ctgttcaaac agcagcagca 50

<210> 7543  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7543  
acttgtcagg gccattctct ctccgggcac tgggtcacta ggactgtttt 50

<210> 7544  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7544  
gacagcgtcc tagaaaccct ggcgaccatt gcctccagcg ggatagagtg 50

<210> 7545  
<211> 50

<212> DNA  
<213> Human herpesvirus type 4

<400> 7545  
catcctcttg agcctgacct gtgatcgctg catcatagac cgccagtaga 50

<210> 7546  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7546  
gcctccacac gacatcacac catataccgc aaggaatatc agggatgctg 50

<210> 7547  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7547  
acagccatcc tccccttgag agtcatcaga aaaatacatt aggaaaatgt 50

<210> 7548  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7548  
accttcgtct tctgagtctc atgcctcaaa acctagtttg atagacagga 50

<210> 7549  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7549  
agatggctac cttcttgatt atgacccctt cgtagaaaat gctcaaattc 50

<210> 7550  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7550  
atgcatcgcc gacaagtctt gaattaggat tgctgaaatt agacaaagaa 50

<210> 7551  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7551  
cgggtgtgtt caatcatcga cggtgacaat cctatctcca tctataatcc 50



<210> 7552  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7552  
gaagagcgaa atgcaatctt ctgcttcttc agtagagact ttacagtctt 50

<210> 7553  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7553  
gcacatccat cgcccaaagt gaagtctgca aggatgccat ttattgggtg 50

<210> 7554  
<211> 50  
<212> DNA  
<213> Human herpesvirus type 4

<400> 7554  
tctcggttta cttttttgct gttgtggttc tttgttcttg ctggtttgct 50

<210> 7555  
<211> 50  
<212> DNA  
<213> Human herpesvirus 4

<400> 7555  
tctgaatact ctacaaaacg ctcttctgtc gctcttaaaa ccatctgtgt 50

<210> 7556  
<211> 50  
<212> DNA  
<213> Human herpesvirus 6

<400> 7556  
tgaagctgac acctgtgaaa ctaacttaaa cgcattgtct tctgactcag 50

<210> 7557  
<211> 50  
<212> DNA  
<213> Human herpesvirus 6

<400> 7557  
ttctgttttg ggccaggaac cgttctataa attgttttat tgactacacg 50

<210> 7558  
<211> 50  
<212> DNA  
<213> Human herpesvirus 6

<400> 7558  
taacaccgtc caagaaatth tgccgttgtg tccccatact tctctagggc 50

<210> 7559  
<211> 50  
<212> DNA  
<213> Human herpesvirus 6

<400> 7559  
agaagaagga tcagatggag agttgaaaac tttagctggg aagtacatga 50

<210> 7560  
<211> 50  
<212> DNA  
<213> Human herpesvirus 6

<400> 7560  
ccgataccgg caagatctgt cgtctggcaa actcgttttc caccttatgg 50

<210> 7561  
<211> 50  
<212> DNA  
<213> Human herpesvirus 6

<400> 7561  
ctgtgggtcc ctccccctca tctgttattc ccttcccctc tgccaccgat 50

<210> 7562  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 7562  
actacatttt aattaaagat taatgggcat attagaagtt tctcaaagtt aggct 55

<210> 7563  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7563  
aaaaggagtg agctatcatc agtgctgtga aataaaaagtc tgggtgtgcca 50

<210> 7564  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7564  
aaagccacca ctgttcccag tcagcatata caagctotta atattctgtt 50

<210> 7565  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7565  
aaatgtggga taacgcgatg actgtgaccc tggttggaaa ttaaacttgt 50

<210> 7566  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7566  
aacacagaaa catttgagca ttgtatttct cgcacccctt ctctgagcg 50

<210> 7567  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7567  
aacctatcaa agcctagcct aagggtgcc atctctgtct aaattctagt 50

<210> 7568  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7568  
aactgcatgg tatgaattca gagtgtgact taagggtcaa ttcaaagcag 50

<210> 7569  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7569  
acagactttg ttaatgtagg aaatctctcc aagtggaaac gtgctaactt 50

<210> 7570  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7570  
acaggcaatt cagtggacta taataatagt ggagggttga gatgtagagt 50

<210> 7571  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7571  
acaggtcaca gtggatttct tttcaaactg acaatgttta ggttttaagc 50

<210> 7572  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7572

acctaagca gatgagattc aggtaattga agaggcagat gaagaggaat

50

<210> 7573

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7573

accttctaca ccaactggaaa ataacatgga ggtagagc cgtgcaaaat

50

<210> 7574

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7574

actaaactct.gaggcctgaa gttctgtgat agaccttaaa taagtgtcct

50

<210> 7575

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7575

actggggtgg tgatgttttc gttctgtttt attttctaa ctctgctgac

50

<210> 7576

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7576

acttcatcat aatttgagg gaagctcttg gagctgtgag ttctccctgt

50

<210> 7577

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7577

agaacgagga agagaacaca agaatgatt caagatccac cttgagagga

50

<210> 7578

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7578

agagaatagg ctttctaaga tgctgcgatc ccgttctgct gcccgtaata

50

<210> 7579

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7579  
agcacaagcc acgcttcacc accaagaggc ccaacacctt cttctaggtg 50

<210> 7580  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7580  
aggccaatca ctgctgacta agaattcatt atattggctt agtacacaga 50

<210> 7581  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7581  
agggaagatt tctgtatact tgctggagag gaggaatgtg tatagttact 50

<210> 7582  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7582  
agttttaata ccttaagctt tttcaagacc taactgcagc cgctttggga 50

<210> 7583  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7583  
atgtgctgta aagtttcttc tttccagtaa agactagcca ttgcattggc 50

<210> 7584  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7584  
attgtgggtg gctctgtggg cgcataata aaagccgtcc ttgattttat 50

<210> 7585  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7585  
atgtgagtgt tggtggacca tgtgtgatca gactgctatc tgaataaaat 50

<210> 7586  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7586  
caagcccacc cagccgcaca caggcctaga ggtaaccaat aaagtattag 50

<210> 7587  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7587  
caccagagac aagcagagta acaggatcag tgggtctaag tgtccgagac 50

<210> 7588  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7588  
caggaggtag ggatctggct gagaggaat aatctgagca aaggtatgaa 50

<210> 7589  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7589  
cagtccctct cccaggagga ccctagaggc aattaaatga tgcctgttc 50

<210> 7590  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7590  
catgagaagt atctgcaata accccaagtc aacatttagg tttgtgtaca 50

<210> 7591  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7591  
catgttgagt aggaataaat aaatctgatg ctgcctcctg aggctgcggg 50

<210> 7592  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7592

ccaccacctc tgtggcattg aaatgagcac ctccattaaa gtctgaatca 50

<210> 7593  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7593  
ccatgccgcc tcgttggatt gtcggaatgt agacagaaat gtactgttct 50

<210> 7594  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7594  
cccaccgctt tgtgagccgt gtcgtatgac ctagtaaact ttgtaccaat 50

<210> 7595  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7595  
cccacgggag actatttcac acaatttaac acaggaagtc gataatgagg 50

<210> 7596  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7596  
ccctccgtga ggaacacaat ctcaatcgtt gctgaatcct ttcatatcct 50

<210> 7597  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7597  
ccgtgtcttt ccagccctaa aggaaggcca gaccctgtgc tttccatgcc 50

<210> 7598  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7598  
cctgaagcac ttcacctgga attgatgtgt aggcttaagg agtatgtgac 50

<210> 7599  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7599  
cgcaggcaag agcactcatc aagatagatg tgaacaaaac ccggaaaatc 50

<210> 7600  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7600  
cgctcaaagg tcaactgagac ttttgcctca cctaaagaga ccaagggtca 50

<210> 7601  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7601  
cggcctcagt ccctactctg ctttgggata gtgtgagctt cattttgtac 50

<210> 7602  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7602  
ctagtgtgtg cttgccttgt ccctcggggt agatgcttag ctggcagtat 50

<210> 7603  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7603  
ctttcagatt ccctctggtc tccgtccgaa acgtctacct cttcccaggc 50

<210> 7604  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7604  
gaaattcaca ggccagggca catcttttat ttatttcatt atgttggcca 50

<210> 7605  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7605  
gactccctca acaccccaaa actctaaatg ccacgggtcat ctgtttctat 50

<210> 7606  
<211> 50



<212> DNA  
<213> Homo sapiens

<400> 7606  
gagcagccac aaaactgtaa cctcaaggaa accataaagc ttggagtgcc 50

<210> 7607  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7607  
gcagcaaaca gagggtcagt cacaggatgt tctgacacac cattgtaact 50

<210> 7608  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7608  
gccaaacaatg ctgaccggtg cttatcctct aagccctgat ccacaataaa 50

<210> 7609  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7609  
gccagtgtaa tttctgtcaa ccacggacgt ttgccttcat gtgtagaatt 50

<210> 7610  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7610  
gcccaagcac tagtagagat gcgcgataca ggtctagttt cggttaactgt 50

<210> 7611  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7611  
ggccagattt tgactcccag attcctttac aaaacgcact cattcattca 50

<210> 7612  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7612  
gggactcccc gcgtgataaa ttattaatgt tccgcagtct cactctgaat 50

<210> 7613  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7613  
gggactgcat gggaagcacg gaatataggg ttagatgtgt gttatctgta 50

<210> 7614  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7614  
ggggttcgtg tctttggcat caacaaatac tgagggatgg gttttgggac 50

<210> 7615  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7615  
gggtgacctg ttctctagct gtgatcttac cacttcaaat ggggtgaatt 50

<210> 7616  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7616  
gggtggaacg ggctgacttg gtgaattggg caactcctta tagtgttgtg 50

<210> 7617  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7617  
gtaccacttg aatgatttca gtcaattttg aaccctttg gaaagagggtg 50

<210> 7618  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7618  
gtgaaacccc gtctctgcta aaaatacaaa aattagctgg gcgtgggtggc 50

<210> 7619  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7619  
gttctctggg ttgtgcttta ctccacgcat caataaataa ttttgaaggc 50

<210> 7620  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7620  
tactgccaac tgaccttata accctctgca cttcaaaaa gattcatggt 50

<210> 7621  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7621  
tcaaacagtg acatctcttg ggaaaatgga cttaatagga atatgggact 50

<210> 7622  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7622  
tcacttcctc tgaactgtta ctgcctgaat ggagtcttgg acgacattgg 50

<210> 7623  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7623  
tccacttaat agactctatg tgtgctgaat gttcctgtgt acatatgtgt 50

<210> 7624  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7624  
tcccgagag tgcagagaca ggaagctgga gatgtcttta taaagtcaca 50

<210> 7625  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7625  
tctaggaccc taggaagctt aactctgtca tcatctcaag tatctgcaca 50

<210> 7626  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7626  
tcttccgcca tctcctctga taaacacgag gtgtctgcca gcacccagag 50

<210> 7627  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7627  
tgatatgttg atcagcctta tgtggaagaa ctgtgataaa aagaggagct 50

<210> 7628  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7628  
tgcagtatatt ttcaaacttc tggtcgcaaa cccattagta gtttgtgaaa 50

<210> 7629  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7629  
tgctgtcttt gatccacct ttgtcctga caaccctcat tcaataaaga 50

<210> 7630  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7630  
tggtttggc atggatgtat tctaagagct gagaacaggg cctggacaca 50

<210> 7631  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7631  
tgttctgaat gttggtagac ccttcatagc tttgttaca tgaacottg 50

<210> 7632  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7632  
tgttgatgga tgaattttgg catgatgact gtactctcaa taaaggctga 50

<210> 7633  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7633

ttcatcctgt gagtgtctggg gaggaggagt agatacagac tgagtgtgagag 50

<210> 7634

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7634

ttcattttcc tgggaagtca aggttacatc ttgcagaggt tgttttgaga 50

<210> 7635

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7635

ttctaagccg aaccaaattcc tttgccttga aagaacagcc ctaaagtggg 50

<210> 7636

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7636

tttggttggt tgtttcagat aggggtctccc tctgtcacc aggctgcagt 50

<210> 7637

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7637

ttttgtaaat cacggacacc tcaattagca agaactgagg ggagggcttt 50

<210> 7638

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7638

cgggtgtggaa aatgttgtcc tttgagtggc aagaattaga aaaatcttca 50

<210> 7639

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7639

ctgaaagctg aggatcggag caagtttctg gacgcactta tttccctcct 50

<210> 7640

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7640  
gttggcctca gccctgtggg tctgtctcat gctctccctg ttcctctccc 50

<210> 7641  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7641  
tagccatact tagcctcagc aggagcctgg cctgtaactt ataaagtgca 50

<210> 7642  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7642  
tgagggctgt gctgacctt gagaggattt gaaattgctt catattgtga 50

<210> 7643  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7643  
tgtgtaagaa aaggcccatt acttttaagg tatgtgctgt cctattgagc 50

<210> 7644  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7644  
ttgttggtag gcacatcgtg tcaagtgaag tagttttata ggtatgggtt 50

<210> 7645  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7645  
tttctagctt ttccgtgtat ctaaacacaa ttgctacac aagtcactgt 50

<210> 7646  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7646  
actgtggcac atgttttgat cagaaaggta gttctctttg ctctggtagt 50

<210> 7647  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7647  
catcttctgc cctgggtcccc tttctcttga tgtggaaagt ctgaatgcag 50

<210> 7648  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7648  
cgctctaata ctgcattctg tttctccttt tgtgccctga ttgtaatcca 50

<210> 7649  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7649  
ctggagactg gagaagtaat tccaccaatg aaagaatttc ctgatcaaca 50

<210> 7650  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7650  
tcagtgtttc gttattccat atcagtggct tttactgtca aagatttgtg 50

<210> 7651  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7651  
tgcatgagag ccctaggatt taaaatatga aatggtggct tgctgtgtga 50

<210> 7652  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7652  
tgtgctaagc ctgatgaaat gtgctccttc aatctccatg aaaccatcgt 50

<210> 7653  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7653

aaatgatctc cctttattac cctcccaaag gttaccagcg tttgaattta

50

<210> 7654

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7654

acacactaat gtaaccattt tatgaagggt gaagtggatt tatgcaggca

50

<210> 7655

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7655

atcaggagaa tgtcaaagaa gtcctttatg tggattgccc gagcttctct

50

<210> 7656

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7656

attgtgccac tgttttccag cctgggcaat acagtgagac cctgtctcaa

50

<210> 7657

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7657

cgtcaaagtc aatccccaaa cagataagcc ctatgaggat gtcagcatca

50

<210> 7658

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7658

acgacttgct caagagtaaa gattatactg ctctgtacag gaagcttgca

50

<210> 7659

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7659

tgttgaggaa aggaaaaggg catttgtcta aacatggatt ctgagttgta

50

<210> 7660

<211> 50

<212> DNA

<213> Homo sapiens



<400> 7660  
gtggatgagt agggagtggg cgagacaggg acgagatgag caggggtcaag 50

<210> 7661  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7661  
ggtgttcgtg ttagtgccaa gattgcttcg ttgtagagag agttcgttcc 50

<210> 7662  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7662  
actagagtcc aggtaatagt agtggagata tgtggagaga catgataggt 50

<210> 7663  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7663  
ttcctgtgtg agatttctcg ccattcctca attcaacaaa tatgcctttt 50

<210> 7664  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7664  
tatactttga tccctcagca agttgtcctc actgttgtgt gaacctgttt 50

<210> 7665  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7665  
tttcctgaat actttatgac aactgagttt gccgggtaga gtggccgttt 50

<210> 7666  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7666  
aaactagaat tccggtttcc caaggtggct tatgacaacc agaatecttt 50

<210> 7667  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7667  
ggcttcccgc ctgtgcagtc atttgtatgt gttttatata ttggagtgtt 50

<210> 7668  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7668  
acaaaatata aggtgtgact ttggatcctg actcaaacca accagctgtt 50

<210> 7669  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7669  
tcaaaatccg ttactctttc cacaacaatt gagggtaatg gtgttcagtt 50

<210> 7670  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7670  
gccattccgg cttctctatt tgaaaacagt taccatattc cccctcagtt 50

<210> 7671  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7671  
at ttggtaga gacgggggttt caccttattg cccaggccat catgtatctt 50

<210> 7672  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7672  
tgtcatttgc cttttcccc atatatgtag aattgggtct ttttcaactt 50

<210> 7673  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7673  
acaggagag actacacaca agccaacctc aatctcatct ttatgccatt 50

<210> 7674  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7674  
tcttcttttt gatgtgaatt actcttgaaa tgccggagaa gggacaaatt 50

<210> 7675  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7675  
agatagagtc atattctatt tagcttggga catggcaggt actcagttgt 50

<210> 7676  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7676  
agcctttttg ggagtgaggg tttatatgat gtctgattct gtaatactgt 50

<210> 7677  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7677  
gcagccctga gcctggaata gatacttttt ggtcttttgg ttgtagatgt 50

<210> 7678  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7678  
ccctccctat ctttttatgg gtaatttgat tatacacggt gcttgaatgt 50

<210> 7679  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7679  
tatgtcttct taccacagca cccctaattt aaaatacaga tccttgaggt 50

<210> 7680  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7680  
aaaaccttga cagttcattt caccaagcac ctatcaggtt ttggcaggt 50

<210> 7681  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7681  
agtgcccatg ctgtttcaga tgcctttcta gtcctggag atacatcagt 50

<210> 7682  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7682  
tgagcttctg ctagtaattc cttcagggga tttcctccat ggccgtaagt 50

<210> 7683  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7683  
gagggtgtct gctaattgatt tccgaaaagt tcttcaaac actccgaagt 50

<210> 7684  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7684  
accagtgtga tgagttttga caagagacaa aaggaaaggg tgggagaagt 50

<210> 7685  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7685  
gctggttggt gcctttcaag acagccaact accatttatt caacagaagt 50

<210> 7686  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7686  
agtctgtcta ttctcttctc tttagctctg tctgttgctc aaattcaagt 50

<210> 7687  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7687  
gccaaaggtga gtcaaaacac tgctcttcag aaagcaatta ttgaaaagt 50

<210> 7688  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7688  
cattgtccct cccgctgtgc tctcaggcaa taaatgattt gattatttct 50

<210> 7689  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7689  
ggtcagaaac aggccacag agactctgga gggttcttcc ttgtgttct 50

<210> 7690  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7690  
ttcaactgct ttggcactgc catgggtacc tgaggataag agagatgtct 50

<210> 7691  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7691  
gggttgacta aatgcacatg ggcttatctt tacctcttcc agaaatgtct 50

<210> 7692  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7692  
tgcatgacca gaaacactgc ctgatacagt aagcagaggt agctgtctct 50

<210> 7693  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7693  
acctgccagc cagcccacaa ctataaactg tgtgacaccc aaatttatct 50

<210> 7694  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7694

ggtttctgag gtgattctaa tatgcagtca tggtaagaa cctgtgatct

50

<210> 7695

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7695

aagccttggg ccagcttccc gtttctctct tgtctcctgc caaaagatct

50

<210> 7696

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7696

acccaaagga tgggtgtctcc tgtcccagtt gaaaagggtt ctacctagct

50

<210> 7697

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7697

tggttgaata cgcaggaaca cccacagtac ccagggacta ataaatagct

50

<210> 7698

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7698

ttagggcagt ggagaatcag ggtgtatcta ataaattcct tcatggagct

50

<210> 7699

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7699

gcagatgtct gcgtcatggt ttattactcc tgtgttcggt tcaaggagct

50

<210> 7700

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7700

tgtctgtatt tggagtccag tagtacctg aaaataatcc cgtaaaagct

50

<210> 7701

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7701  
ctcccttccc accatacaca cactcccagc tcattttgat tccttttcct

50

<210> 7702  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7702  
ggtgaaattg actgggttcc tctccacct ctctttccgt agcaattcct

50

<210> 7703  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7703  
actaattccc gtgtctggcc ctgaacatga agatataatg gacgatccct

50

<210> 7704  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7704  
ttaaaggctc aaacctacct cagacactgc tctaccatc cccatcccct

50

<210> 7705  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7705  
ccctttgtga gaagaagcag gtttccttcc ctatggattg atgtgaccct

50

<210> 7706  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7706  
ttctaccat cacacagatt cttccactta ataaaatcca tcacctacct

50

<210> 7707  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7707  
tcattactgt tgtgaaggct cttcaagaga gaaagatgaa gctgaaacct

50

<210> 7708

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7708

gctgtccgtg aaagcactct caagtcagga actgaactaa gaactttact

50

<210> 7709

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7709

ctcctgtaat cccagcactg gagcttgcag tgagccaaga tcatgccact

50

<210> 7710

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7710

ttggtcacca cacctgggtg tctgaatgtc ttgtccttct aaaggtact

50

<210> 7711

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7711

gcaacaattc tttggaaagt gactctctag ggtgcggaga atggtgtgat

50

<210> 7712

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7712

tcatctctgt aggtcttcct aatcctatgc ggagccaaat atagacggat

50

<210> 7713

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7713

ctttgtattt caaagaaagt agccccttgg ctctgatatt agttgcagat

50

<210> 7714

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7714



tttaggagct gaccatacat gatgagtgat acagcctgta ctttgctcat 50

<210> 7715  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7715  
actgggatga gatgagattc aaggcacttt tggaggggtg agctagccat 50

<210> 7716  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7716  
aggctgttgc tgcacgggct tttcaaaagc gactcattat gaagaagaat 50

<210> 7717  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7717  
gcactccagc ctgggcaaca agagcgaaac tctgcctcca ataaataaat 50

<210> 7718  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7718  
cgggcgggtgg cggctgcctg ggagaagatg aatctttcat gaggatttg 50

<210> 7719  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7719  
gatggaactc aagggtgcttt acgctttcct cagtcttacc aggaggcttg 50

<210> 7720  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7720  
accaacccta tggacaactt gatcttgaac ttctagcttt cagacctgtg 50

<210> 7721  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7721  
aatgtagctg acattggagc caccgcccac agaagaaggc taaaactgtg 50

<210> 7722  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7722  
cttcactgac gatctgagac actaggcagg ttggaaaggg tggagtgggtg 50

<210> 7723  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7723  
gcccttggtg gttggaaaag tggtctgaat ccaataaaag gaaagcgggtg 50

<210> 7724  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7724  
caacagtggc aagagtagcc agcccatagg acggaatgaa aatcaagggtg 50

<210> 7725  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7725  
catccttaga tgccagtctt cactttgggt attttctctg ctccctcagtg 50

<210> 7726  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7726  
accaacagta ccggtattgc caccacaagt aaaccagtcc ctcacttctg 50

<210> 7727  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7727  
aggctaatac agagctttcc tccccagata aaggaaattt tccctccctg 50

<210> 7728  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7728  
aacttccaga ggcaggagat tagacagga tgacagtaa ggggttactg 50

<210> 7729  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7729  
acctcttcgt tgtattttac ctttcactta caaacaagct catgccactg 50

<210> 7730  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7730  
gatcaaaaca aggtccttga ctttttgcag ggcagcctg gcaatcaatg 50

<210> 7731  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7731  
cctaaatgtt gtccctcaga gatgcacaga tgtatatggg taaggaaatg 50

<210> 7732  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7732  
ccaaccatag tcatgaagct gcttctgttc ccaatgcaat cccattgtgg 50

<210> 7733  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7733  
gcttttcaat gcttccgaaa ctgagtgcta acaggggcaa ttagtgctgg 50

<210> 7734  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7734  
agttcttgta acagttaaaa ctttcttgcc agctctcagg ttatcactgg 50

<210> 7735  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7735  
gtgtgtaaat gagtgtcaga tcttttcttg aaaacagggt tggattgggg 50

<210> 7736  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7736  
agggtccaca aggagaatat tttcttaaag taactccctg atttgcgggg 50

<210> 7737  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7737  
gtccccctat gcctgtgtag cagaatctaa aagataatca tgtgaacggg 50

<210> 7738  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7738  
ttgtcttggt tcttttatct cccctatggt tcatcttagt gcaggcaggg 50

<210> 7739  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7739  
acagttgcct ttgagattcc tgtatttctg catgaataaa tccataaggg 50

<210> 7740  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7740  
gtccttgga ggaacactt gtgattgga ccactcttca agctgaacgg 50

<210> 7741  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7741  
attcattcat tcattcaaca agcacttaaa aacaatgcct gtgtgccagg 50

<210> 7742  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7742  
cacaccagc cccattcaca aaggactata aaatctacac cccagtcacg 50

<210> 7743  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7743  
ggcatagtag tgctaaacag aggtggaagt agtgaaggga gttttgaacg 50

<210> 7744  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7744  
ctagtcctgc cccacctcc ccaagtatta cccctcctaa gtccctgctag 50

<210> 7745  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7745  
agataagcag gataaacaag acagggttga ttgtgatcag ctctatggag 50

<210> 7746  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7746  
gatggctagg acaagatgat ttacaagagc gtggcgggag ggacggcgag 50

<210> 7747  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7747  
ccgtgtctgg attgtgtgtc ttacttctaa aggtgcacat acttcataag 50

<210> 7748  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7748  
gtatctctgc acctcactac tacccttcac tccttggaag cctgggcaag 50

<210> 7749  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7749  
aacacaccac caaacattct tcccatcctt cttcaccaac cagctacaag 50

<210> 7750  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7750  
acaattggag ttggggctgt caccacctga agtgtgtcaa ccacagaaag 50

<210> 7751  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7751  
ttagggcaaa agtcctagtg gcggcagctt tcttgtctag accctgggtc 50

<210> 7752  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7752  
agtgatgctt gccttttcgc tttcctaaag atgtcatttg aaaacaagtc 50

<210> 7753  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7753  
cccagcttca ttaatgtgaa tgggtggcaga cacctctagc tatagagctc 50

<210> 7754  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7754  
gagccaagat tggggcactg cactccagcc tgggtgacag agtgagactc 50

<210> 7755  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7755

gagccgagat tgcattactg cactccagcc tggtaacag agcgagactc

50

<210> 7756

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7756

ttcagtcattg cagcaacatc cgcttaatgc ctctaagtg cagaacactc

50

<210> 7757

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7757

ggctctcttc tctctactct ccctagtaac taaccaccaa agcctaaatc

50

<210> 7758

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7758

ttgtttgttt gtttatttat ttattttgag gcagcgtctt gctctgttgc

50

<210> 7759

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7759

tgccattctt acatttaac aagaggtaga gcttccctg gtgttctgc

50

<210> 7760

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7760

tgctctgctc ttcccaaata aaggaatgta gatcttgcta acagaactgc

50

<210> 7761

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7761

tgccaccaac ttaacttcc agaagagagt gggtcaggaa attactatgc

50

<210> 7762

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7762  
aactttggga agtgagactc tgtcttgggt ttttgataat aaatgtgggc 50

<210> 7763  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7763  
ccgagaaagt acggctggag cggactgggg agacggaaat attgagtcgc 50

<210> 7764  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7764  
cgaagaaaga attggatgca gaattgttgc ctaacctggg tgacaagagc 50

<210> 7765  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7765  
agtgcctgtg attccacccc cttacctccc actcaagtga caatgtaagc 50

<210> 7766  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7766  
agaaagttag gagtgggcaa ccttaaggag gagtttccta tcattctctcc 50

<210> 7767  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7767  
tgtcaciaag atgaagcaag gtggctcagg gaacgtgctc agaaacctcc 50

<210> 7768  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7768  
gcaaagtga agttttccct ttggccctaa aatatgaaag caaagcatcc 50



<210> 7769  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7769  
ccctgtccat cttttcctgt tcctatccag ccttccctct cctttttgcc

50

<210> 7770  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7770  
ccacggaggg ctccccatct aaaggaggtt taataaaca aggaatggcc

50

<210> 7771  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7771  
caattggtac attctcggca aacccttgcc cacaatttcc tcaggaagcc

50

<210> 7772  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7772  
agggtgtccc tgtgattttt aaattcacta tctagctgct cctatcccc

50

<210> 7773  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7773  
cttatattat gttttctctg tgacaagcac ctcacctccc aaccaccccc

50

<210> 7774  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7774  
gagaattcaa attaatgca gagtcctagg cccaccctgg cataccaccc

50

<210> 7775  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7775

acaaccaatg cctcacactt aagctcctag aagtcactag ggaccagacc 50

<210> 7776

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7776

gccctcacca gaattcaatc atgctggcac cttatcttgg actttcaacc 50

<210> 7777

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7777

agggtaagag ttccagacct gactggacaa taaagtgaga ctgtctctac 50

<210> 7778

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7778

ctccgtctgc cgctccgta gccacagcga ctttgggaagt gatatttgac 50

<210> 7779

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7779

ccctggagaa ggagggtgat ttattttcaa ctttctgatt taccaccgac 50

<210> 7780

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7780

gattgtttga gcctgggagt tccacaccag cctgggctac ataggagac 50

<210> 7781

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7781

ctgctctaga ctgagcacag ccaactgacag gtgaccttca gaatcctcac 50

<210> 7782

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7782  
acccctgctt tactgtgaca gacatatagt ttgtcataca taaaaccac 50

<210> 7783  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7783  
acctaacaga aatttggatt cgggttgtct aaatacacc tggtgggta 50

<210> 7784  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7784  
gcctttcca ccaacagttt atgtgattcc ctgccctacc cttaccatta 50

<210> 7785  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7785  
tcccattgca tgtcccgtat attgaaagct gcctctactt ctctctggta 50

<210> 7786  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7786  
ggcaggggat gaaccagata atttccagcc cttcttgga gctcttcgta 50

<210> 7787  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7787  
gcttaggagt ttgggaccag cctgggtaac atagtgaac cctgtctcta 50

<210> 7788  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7788  
ttgcagctat tttcaagttg taagaaatga acttgcaaca catagggcta 50

<210> 7789  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7789  
tctcttgcca cagggatttc ctccaagctg gaatcaccaat ttccttccta 50

<210> 7790  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7790  
cccaccacc agtaggttgt gattcaactg aaccatttca ggagcaccta 50

<210> 7791  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7791  
gaaccagct aagccacacc cagattctga cccagggata ctctgaaata 50

<210> 7792  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7792  
gtgtgtgctg gcgtgcctta taggtgtgcg tgtttccctg tcagtgttga 50

<210> 7793  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7793  
aggaaaactc agaaataatt tctgccccct ggattctcta agatttgtga 50

<210> 7794  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7794  
gtggaaagaa tcctacaacg aacactatta aagtctgcac ctagatctga 50

<210> 7795  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7795  
ggcctaggtt ccagattca gtcacaaagt cttgttacag aaataaatga 50

<210> 7796  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7796  
ccccatttgg agtctagtca aaacagcagc ttctttgagt taccattgga 50

<210> 7797  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7797  
aaggcttgta actgtaggcc cttgtactac actgtgctat acctggtaga 50

<210> 7798  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7798  
cactttggga ggcagagggtg agcagatcac ttgaggccag gagtttgaga 50

<210> 7799  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7799  
ggatcacttg aagccagcag tttagaccca gcctgggcaa taaaatgaga 50

<210> 7800  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7800  
tcagttgtga tgggatttct tgatggatga gatgtgtcgt gtgacagaga 50

<210> 7801  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7801  
cctcctagaa ctggaaccaa gactgctcca tcagagttaa aggtgtaaga 50

<210> 7802  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7802  
gctcaccctt gcacctcctt cccaaatctg ctgtcacatt ttctcaaaga 50

<210> 7803  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7803  
ttcctgtctc catgttggtg tcaagattgc catttgcttc ctgagtttca 50

<210> 7804  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7804  
ctggttctag tgcagtctcc tcactttcct ggtgtttggt ttatctttca 50

<210> 7805  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7805  
tgacatgatt acctgactga tgtttctcct ccattagact gaatgcttca 50

<210> 7806  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7806  
tggcaaaaag cctaactcg actcatccca ttctatcagc acaaacttca 50

<210> 7807  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7807  
gtttacaagg gatactagtt cctggaggga cgaaggagge tctgtttgca 50

<210> 7808  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7808  
tcctcaactc ggagattcct gtagggagag aatcaatttc tatatttgca 50

<210> 7809  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7809  
acattttctta ggtgtgtagt ggtgaaggaa aatagtggaa gatgtctgca 50

<210> 7810  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7810  
tcaggaggct tgaaaagact caaggtttct acactatggg aaataaggca 50

<210> 7811  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7811  
gttttcactt gtgatactaa ctattgtttt tctccccat gccaaagca 50

<210> 7812  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7812  
agccaaggga gcatattatt ctcttatttt aaacctctcc gtaggcagca 50

<210> 7813  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7813  
agaaggaccc ctggttgaga accacggttg tatagaaagg aattgaagca 50

<210> 7814  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7814  
ttgactgccca tagccaagag ttaatatagt tgcgttttct taaggaagca 50

<210> 7815  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7815  
cttactgtgc ttttaggttt tgttgctttc tgtctgtatg ctatgttcca 50

<210> 7816  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7816

tgcagttagg agtgtggaca ctctgcccatt ctccattgaa ttaaattcca 50

<210> 7817

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7817

acttgggttc tatccccacg ataacttggt atgtatatgc caatatccca 50

<210> 7818

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7818

agctagaaaa tgtccctttt tcttctttgg aggtctttaa ccaaggccca 50

<210> 7819

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7819

atcaccaatc ttatttagca ctgtggatgc cgttttgcaa atgtcaccca 50

<210> 7820

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7820

tgacttaagg ttggaatc tctactact cccctgtcct ccttgacca 50

<210> 7821

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7821

tgtggtttgc aatgggttac tgatgagaca gcaaaaatga gacaggacca 50

<210> 7822

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7822

tggcgagcca gtctctggat gggattctga tcaacagaag ttctcataca 50

<210> 7823



<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7823  
tgcccatcct ttgctgtttt tctctttcag tcatggccta tttggagaca

50

<210> 7824  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7824  
ctcaaccttg gccctaaact aacagtgaca gggagttccc cagcctcaca

50

<210> 7825  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7825  
tcctgaccgt tgacagagag cttttacaga agtcttaggc agtacacaca

50

<210> 7826  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7826  
agtgtgtggc acccagggat cactgtatga gaatttcctg aacaacaaca

50

<210> 7827  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7827  
gctgtaagtc ctttccttac tcatcttccc tctcaaatac aacaacaaca

50

<210> 7828  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7828  
gccagtggc accatttatg aaacacacca ccttgtaacc actgaattaa

50

<210> 7829  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7829  
tcaacctagc acagtgcctg gctgatagggt gttgaatatt tccactctaa

50

<210> 7830  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7830  
gcaaccctct gccctgcaa agagatattg tgacaaagat attcactgaa 50

<210> 7831  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7831  
taacattcct ggcacagtcc ctggcatagg gtagataata aatgggtggaa 50

<210> 7832  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7832  
tctctaacca tcaaggaagg tcaagggcca tgtatctctt ttagggagaa 50

<210> 7833  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7833  
ttccacaaac tcaggtgtgc aagaacaat gcattacttt attttcagaa 50

<210> 7834  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7834  
caggagtttg agaccagcct gggcaacata gtaagtctcc atctcttcaa 50

<210> 7835  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7835  
tccttagtcc tggagactcg ggaactaaaa caatcaattc cctgagcaa 50

<210> 7836  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7836

tcctcttcat tggagacccc tccctgtcac agcacaatgt gggtaataaa 50

<210> 7837  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7837  
cagaacaagg cccacagtgt gaaagggtgct gctgaacaaa gataaataaa 50

<210> 7838  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7838  
gagtcagcaa cactggctct cttgccttgg ttgatgcttt tgaactgaaa 50

<210> 7839  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7839  
taaggatgta tccctatggg caggaaaccc aattctaaga aacttacaaa 50

<210> 7840  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7840  
gccactgcac tccagcctgg gcaacagagc gagaccttga ctctttaaaa 50

<210> 7841  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7841  
cacaacaccc aaaaggctgc attgcataac atgtatttgt tgaatgaaaa 50

<210> 7842  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7842  
ggggtccttg ctcacagagc tcccaagatg gtgggtgggcc acttcacaaa 50

<210> 7843  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7843  
tccctctata ggtaaaagac ctgtttgtct gaaatgtgtg gaacctgtct 50

<210> 7844  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7844  
gctgccgtgt cttttggcat tttcagcatg actatatgtt tttgtaatgt 50

<210> 7845  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7845  
ccgaaggccc gtgtggcgct tctcctattc tgtagagtgg tagtttgttt 50

<210> 7846  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7846  
aaagaggtaa acgcaagttc tctcttgtag gtcgggctac aggtgacttt 50

<210> 7847  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7847  
tggttctcag cctgggtgaa cagagaaggg gtctaatttg gtcttttgtt 50

<210> 7848  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7848  
tgttcttggc accctgcact gtcaggctat atcatttctg tttgtttctt 50

<210> 7849  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7849  
tctcattttc ttttcctagc tgtgatgcaa agtgtcagtg gtcccatctt 50

<210> 7850  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7850  
tgtccaacct tccttttgc t acaaacaaag aatgcctagg gattcaactt 50

<210> 7851  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7851  
caagtggcct tgggtgtttaa atcttgcctt aaattgtaac tcacatgatt 50

<210> 7852  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7852  
accaaccagt ggtgtgctgg agctgtctca tactatcttg agagtccatt 50

<210> 7853  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7853  
agcacttgct ttgttccaga cattgtcctt agctcctttc ttgtgtaatt 50

<210> 7854  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7854  
tgcagcaaaa attgaatttc ataggccatt cagtgttctc tgcgataatt 50

<210> 7855  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7855  
ccaggaatgg aaatacgcca acccaggta ggcacctcta ttgcagaatt 50

<210> 7856  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7856  
aggaaattgg ttgaagtcgt ttttctcttg ttagtctcat gttaagctgt 50

<210> 7857  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7857  
tcgcctgggg agaatttaaa atctaagtcg ctggaagtcc ctttgtatgt 50

<210> 7858  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7858  
acctgttagga agggtttctg aatattctgt tgctctgaat tattagcgg 50

<210> 7859  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7859  
tgagaggatc ttgagacatt cttgtgttat ttgccctcta tgtttttaggt 50

<210> 7860  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7860  
tcccaagcat gagacaagta ccaccagtgg ttcaggagat gatttttaggt 50

<210> 7861  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7861  
acaagacagc agccttcccg aaatgtcact actaagaatt attcagaggt 50

<210> 7862  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7862  
gctgccc aaa cttccattta tttaccctcc aaacatcact tccttcctct 50

<210> 7863  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7863  
acatttgcca atgcacttga tgtaaagttg ttgaggatgt tgactctcct 50

<210> 7864  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7864  
tcccccttcc taacaccaat ttgggaacat cactacttgt atattatcct 50

<210> 7865  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7865  
tcaagaccct tagagtaagt taactcccaa ggaaatgtag ttagttccct 50

<210> 7866  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7866  
aaccacaat ccaactccct tgatgaggat gatcattaac aacaatcact 50

<210> 7867  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7867  
tttgaagcct ctggtacttc cccttcccaa acccagtcac aggaaacact 50

<210> 7868  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7868  
ttggaggtta acagtattcc tttgagtggg gtgattaaag gtgcttttat 50

<210> 7869  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7869  
ccaacctcca gaactgccta tctaactcat ctgtggtgat ggaatgctat 50

<210> 7870  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7870  
agtggctctc tgctgtagc atggttacta atcttttggg tacttttcat 50

<210> 7871  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7871  
tgacctcagt gtctacttca gcagaacctg tgggtatatg cctacctcat 50

<210> 7872  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7872  
aaggagaact gtcaactgaa tctcaaatgc agtcaaatga agagaggcat 50

<210> 7873  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7873  
ttcaagtcac tataggtttg ggcatacagg gttaaccttg tgatgtacat 50

<210> 7874  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7874  
agcagaacaa catgtgtttg acacttttcc ttctctgtaa tgaggtacat 50

<210> 7875  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7875  
tgctgtgtg ggtcaaagga atcatctatg ctaatgtatt tgagccaaat 50

<210> 7876  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7876  
accgaaagca gcattttcaa tgtttaatta aatcgatgca ggaaattgtg 50

<210> 7877  
<211> 50  
<212> DNA



<213> Homo sapiens

<400> 7877

gtccctggcc cttcactctt cgtccaggct ctctgacctc tttccctctg

50

<210> 7878

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7878

tgtccgctgt tttacctcac tgctcctggt tatgccctta acttctgctg

50

<210> 7879

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7879

gcacaagacc tcacttggaa caagtaccag gcagaagaga gcattacctg

50

<210> 7880

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7880

tttcatatct tggcagttgg atgcggtgta agccacagag aaaccacctg

50

<210> 7881

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7881

aggacccttt tcccatatct ctggctatat acaaggatat ccagacctg

50

<210> 7882

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7882

accaggccta gaatttaggt tctaggtgta aactattggc ctatcagatg

50

<210> 7883

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7883

gtgcatttta gcaacagact tccaggtttc cagcgcgggc caggaagggg

50

<210> 7884

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7884  
ctgtcatgca ccacctcatc cctccttca gggccaggga cagtccctag 50

<210> 7885  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7885  
agaggaggag ggggtagaat gaatttcatt taaagctcaa cctagttcag 50

<210> 7886  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7886  
cagtctccca gctttcttgg cctcctctgc caactggatg caaggctcag 50

<210> 7887  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7887  
tggagagaag gttcgggaag acgagggggc tgggaggttt ggaaagacag 50

<210> 7888  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7888  
ctgaaatggg ggaaggtggg ttatgacaaa gttcatggag aggcctgaag 50

<210> 7889  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7889  
taaagcggta cgggattccg caccctactc cagcaagaaa gagcctgaag 50

<210> 7890  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7890  
agcattcatt cctccaaaca cactcccagg gttaggtctc ttacctctgc 50

<210> 7891  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7891  
ggtgttgaat atttatacgg attggcatca taagataccg cgatacctgc 50

<210> 7892  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7892  
accttagtct aactgccttc tgtaaagtgg gttgctatag tctttaagcc 50

<210> 7893  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7893  
tgaggtttgg atgggtggcag gtaaacaga aaggcaagat gtcactctgac 50

<210> 7894  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7894  
tggagctgct acataattat ttcaggtctc aaagcttcca agaagtggac 50

<210> 7895  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7895  
agacggaacc tgagatgttg gatgttggtg atcttagcaa acagacttta 50

<210> 7896  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7896  
agatctgtaa tctttggcaa atggaactca cctgcaacga tacctactta 50

<210> 7897  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7897

gaggacttcc attccccatt tcccgcatatc ctgctgttct gtctgaatta 50

<210> 7898  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7898  
agctcacacc tgttccttca tgggtcagtt cctttcattt tcacttttga 50

<210> 7899  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7899  
agctgctgct tctctttcag ttgcaaatgc aaacctgtta taatctttga 50

<210> 7900  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7900  
tcaatatctg tgtgtctttt catgagtggc tgttacttgt gaagaattga 50

<210> 7901  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7901  
tgagtggact gaggaatgaa tagaaaacgt ggatatatgt agaaagctga 50

<210> 7902  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7902  
accagcccct gggaatgtta tgagcaaagt atactccatg agtaaaatga 50

<210> 7903  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7903  
tcgtgtgagt gtgagagaca tgttcattgt gaaaagatac tcctagtgga 50

<210> 7904  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7904  
tttgtcaaat gctgtttcac catctgtgga agtcattata tgattcagga 50

<210> 7905  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7905  
acactttttct tctaaggaga gctttcttag gcattttcaaa gaactttcga 50

<210> 7906  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7906  
accaaagag taccatctgt tgaacacagg gtggcgatcc aagtgtttca 50

<210> 7907  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7907  
acctgacttc cacgataaaa tggagatgag tgcaggggtg agtgtatagt 50

<210> 7908  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7908  
tgcagattta tactcctgac gtgtctcatt cacagctaaa taataggcca 50

<210> 7909  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7909  
accctcgccc tttccctccg gttcagtacc tattgtttct cctttcaaat 50

<210> 7910  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7910  
aagaggaaat ggcagaatta aaagcagaaa caagaagatg gacatggatt 50

<210> 7911  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7911  
aagagtgttt gagtgcctgt catcaggtgt tttccttaat aagtagggat 50

<210> 7912  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7912  
ctgctgtcca ctttccttca ggctctgtga atacttcaac ctgctgtgat 50

<210> 7913  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7913  
ttccttgat tcatttcact tggctagaaa ttacactgtg ctcaatgcct 50

<210> 7914  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7914  
aggtctctgc cacctccttc tctgtgagct gtcagtctag gttattctct 50

<210> 7915  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7915  
gaataggagg gacatggaac catttgcttc tggctgtgtc acagggtgag 50

<210> 7916  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7916  
cctgtttaag aaagtgaat gttatggtct cccctcttcc aatgagctta 50

<210> 7917  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7917  
tttcactttc acacttcac tcattcctgt tgtcactttc cccgaaacga 50

<210> 7918  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7918  
tctggatcaa tagcttcccc tctaggggtct actgatgagt caaatctaaa 50

<210> 7919  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7919  
tttatctact gtgtgttgtg gtggcctgtt ggaggcaaat agatcagatt 50

<210> 7920  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7920  
gacatttttg taggatgcct gacgaggtgt agccttttat cttgtttccg 50

<210> 7921  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7921  
cccagtttgt ggaagcacag gcaagagtgt tcttttctgg tgattctcca 50

<210> 7922  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7922  
tggtcctttt cctgactcct ccttgcaaac aaaatgatag ttgacacttt 50

<210> 7923  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7923  
gtgacttgta cattcagcaa tagcatttga gcaagtttta tcagcaagca 50

<210> 7924  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7924  
ttgctatcga cattcccgtg taaagagaga gacatatcac gctgctgtca 50

<210> 7925  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7925  
cctgccagtgc tcagaaaatc ctatttatga atcctgtcgg ttttccttgg

50

<210> 7926  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7926  
agggagggga cagatgggga gcttttctta cctattcaag gaatacgtgc

50

<210> 7927  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7927  
tcaagaattt ggggtgggaga aaagaaagtg gggtatcaag ggtgatttga

50

<210> 7928  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7928  
tgtgattagg ttgttttctt gtcatttttg agagactaaa attgtggggg

50

<210> 7929  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7929  
tgggcttggc cttccagttg gcatttgcct gaagttgtat tgaacaatt

50

<210> 7930  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7930  
aacaagatga gaacagataa agattgtgtg gtgttttggg tttggagaga

50

<210> 7931  
<211> 50  
<212> DNA  
<213> Homo sapiens



<400> 7931  
tgtagctccc acaaggtaaa cttcattggt aagattgcac tgttctgatt 50

<210> 7932  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7932  
tcactcccc atttcacttc ttgtcagag aatagttctt gttcatactg 50

<210> 7933  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7933  
tgaggagtac aaacattctc tcacccact tagccctacct agattttctca 50

<210> 7934  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7934  
aatggaagga ttagtatggc ctatttttaa agctgctttg ttaggttcct 50

<210> 7935  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7935  
ccccagccta aagcagggat cagtcctttc ttgtggaata aatccttgga 50

<210> 7936  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7936  
tgtggaatg cctgttttca tctgtaaata gttaagtatg tacacgaggc 50

<210> 7937  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7937  
agatgcttag tccctcatgc aaatcaatta ctgggtccaaa agattgctga 50

<210> 7938  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7938

aaaactgctc ttctgctcta gtaccatgct tagtgcaaat gattatttct 50

<210> 7939

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7939

agctattagg atcttcaacc caggtaacag gaataattct gtggtttcat 50

<210> 7940

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7940

tcctgctct atccatgtgg aatgctggac aataaagcga gtgctgccca 50

<210> 7941

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7941

gccacaaaag ttccctctca ctttcagtaa aaataaataa aacagcagca 50

<210> 7942

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7942

actgctttga ctgggtgggtc tctagaagca aaactgagtg ataactcatg 50

<210> 7943

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7943

ggcattgtct ctgtttccca gtggggtgga cagtatatca gatggtcaga 50

<210> 7944

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7944

ccttgggcta ccatctgcat ggggctgggg tcctcctgtg ctatttgtac 50

<210> 7945

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7945  
tcaagtgaac atctcttgcc atcacctagc tgcctgcacc tgcccttcag 50

<210> 7946  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7946  
tcttggcagc catccttttt aagagtaagt tggttacttc aaaaagagca 50

<210> 7947  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7947  
agctaaagag agggaaacctc atctaagtaa catttgcaca tgatacagca 50

<210> 7948  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7948  
gctgagtgcg gccctctgc gtcttcctta ttaaccttga atcctcatta 50

<210> 7949  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7949  
tgaatgatca gaactgacat ttaattcatg tttgtctcgc catgcttctt 50

<210> 7950  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7950  
tccggggcaa gaatttttat ccatgaagac tttcctactt ttctcggtgt 50

<210> 7951  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7951  
gcagagtcca ttgttgcccc ttaacagttt ttcctgagtt tactgaagaa 50

<210> 7952  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7952  
ttatcaagca gagacctttg ttgggaggcg gtttgggaga acacatttct 50

<210> 7953  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7953  
gggtatgctg cctctgtaaa ttcattgtatt caaaggaaaa gacaccttgc 50

<210> 7954  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7954  
ttgtctgccc cacaatcaag aatgtatgtg taaagtgtga ataaattctca 50

<210> 7955  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7955  
atgccccggcc tgggatgctg tttggagacg gaataaatgt tttctcattc 50

<210> 7956  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7956  
agcagtttgt gatatagcag aggtttaaat gtaccctccc cttttatgca 50

<210> 7957  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7957  
tgatgctgcc cattccactg aagttctgaa atctttcgtc atgtaaataa 50

<210> 7958  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7958

agcagccttt ctgtggagag tgagaataat tgtgtacaaa gtagagaagt 50

<210> 7959  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7959  
catctgaagt gtggagcctt acccatttca tcacctacaa cggaagtagt 50

<210> 7960  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7960  
gccaggetgg ttccgcatgg tgatctccgt cttgtatgtc tgaatgttgg 50

<210> 7961  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7961  
ctattttcaa ggccctccc tgtttccca gcaattaaaa cggactcatc 50

<210> 7962  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7962  
aaagtgccag aatgactctt ctgtgcattc ttcttaaaga gctgcttgg 50

<210> 7963  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7963  
ttgttggtag gcacatcgtg tcaagtgaag tagttttata ggtatgggtt 50

<210> 7964  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7964  
agtctgtat catccatact tgtactacct tgcctatga agctctgaga 50

<210> 7965  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7965  
ttggccgctt ccctacccac agggcctgac ttttacagct tttctctttt 50

<210> 7966  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7966  
tatgacacag cagctccttt gtaagtacca ggtcatgtcc atcccttggt 50

<210> 7967  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7967  
ttggtgagtt gccaaagaag caatacagca tatctgcttt tgccttctgt 50

<210> 7968  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7968  
tgcatagatg acctttggat tattggactc tgactattgg gaccctaaat 50

<210> 7969  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7969  
tggagcgcct aagaaacaga gaaaacagaa ataacaacca ggaactgctt 50

<210> 7970  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7970  
caatagcttg tgggtctgtg aagactgcgg tgtttgagtt tctcacaccc 50

<210> 7971  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7971  
tgcaactgtac tctcttcata ggattgtaaa ggtgttctaa tccaattgca 50

<210> 7972  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 7972  
tgaagtcatt tcattgggaa ggaaagctgc aaagattatt gggggactag 50

<210> 7973  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7973  
tttcatctgg cccaccctcc ttagactctc ctcccttcaa gagttggagc 50

<210> 7974  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7974  
gtgtagaatt cggatccagt catctcacag aactttccac tagggtgcca 50

<210> 7975  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7975  
cggaccccag tttcttgtag caagggggaa acatgcgggg accccaatgg 50

<210> 7976  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7976  
taaagatgtc cgggtacact tcgccaaggg ttagcgtctt tgggcatttc 50

<210> 7977  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7977  
aacacaacac taaaaccgaa cacacacgta ctaacacacc cacgacccaa 50

<210> 7978  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7978  
ccttctggtt ctgcttttga ccagcatttt tgtgcccctc tggtactgtg 50

<210> 7979  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7979  
gatatacgaa acacaccact ggacgatgcg aaaaacgaga cgacataagc 50

<210> 7980  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7980  
tggacaggca tgaaagggtta caaatgggag aaaactcaca cacgttatgt 50

<210> 7981  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7981  
gcaggagagc gagagaggag aagaagaggc aggagggaga aagagcgta 50

<210> 7982  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7982  
caagaagcag aagcagcaac cagagacaga gagacaaacg cagaacaaca 50

<210> 7983  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7983  
agaggaaaga ataggaccag tgccgaggta tagggaggag ggcatactaa 50

<210> 7984  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7984  
tcggagtaag ggcgattgtc tcgttaggta atacatcatc ttcgtgcata 50

<210> 7985  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7985  
agacaagcag agcaacgaca accacagcag ctccatacac tctgcctctc 50



<210> 7986

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7986

agtgaagtct atgatgtgaa acactttgcc tcctgtgtac tgtgtcataa

50

<210> 7987

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7987

tcacaagaca gtcatacagaa ccagtaaata tccgtctgcc agttcgatca

50

<210> 7988

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7988

aaactcctgc ttaaggtggt ctaattttct gtgagcacac taaaagcgaa

50

<210> 7989

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7989

cgtgccagat ataactgtct tggtttcagt agagacgccc tattttctatg

50

<210> 7990

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7990

tccctgaggc ttgtgtatgt tggatattgt ggtgttttag atcactgagt

50

<210> 7991

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7991

cagagaagaa acctactaca gaggagaaga agcctgctgc ataaaactctt

50

<210> 7992

<211> 50

<212> DNA

<213> Homo sapiens

<400> 7992  
tcagaacata gatatgtatt cagcttgtct tcaaatacgg ccaagcagaa 50

<210> 7993  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7993  
ttgggggtcaa gtgaaagggt agggggatag tcctgatcaa gtgtgataaa 50

<210> 7994  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7994  
cagcaaatcc atctgaactg tggaggagaa gctctcttta ctgagggtgc 50

<210> 7995  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7995  
ccttctcttc atgtgtgtaa atctgtaata taccattctc tgtggcctgt 50

<210> 7996  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7996  
ggatggcact tccccaccgg atggacagtt attttgttga taagtaacct 50

<210> 7997  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7997  
tgagtcagtg tctttactga gctggaagcc tctgaaagtt attaaaggca 50

<210> 7998  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 7998  
cccacactgc tacacttctg atccccttg gttttactac ccaaacttaa 50

<210> 7999  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 7999

gtggcttgct agtctgttac gttaacatgc ttttctaaaa ttgcttcacg 50

<210> 8000

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8000

ttgtactcac tgggctgtgc tctcccctgt ttacccgatg tatggaaata 50

<210> 8001

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8001

tttatgatta ggtgacgagt tgacattgag attgtccttt tcccctgatc 50

<210> 8002

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8002

ttgttgtttt ccttgattta gcaagcaagt aattttctcc caagctgatt 50

<210> 8003

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8003

ttagaacaaa aaagagcttt ccttctccag gaatactgaa catgggagct 50

<210> 8004

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8004

ccattgttgt caaatgccca gtgtccatca gatgtgttcc tccattttct 50

<210> 8005

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8005

gatgtctggt gcccaatccc aggaagtgag agccatttct tttgtactgg 50

<210> 8006

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8006  
agttggacta aatgctcttc ottcagagga ttatccgggg catctactca 50

<210> 8007  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8007  
tgaatttact tcctcccaag agtttggact gcccgtcaga ttgtttctgc 50

<210> 8008  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8008  
aaacacatac acacaaaaca gcaaacttca ggtaactatt ttggattgca 50

<210> 8009  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8009  
ctgaggatga gctggaagga gtgagagggg acaaaaccca ccttggttga 50

<210> 8010  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8010  
tctttcttcc ctctgacag tgggtgtgtg tgctgtctgt gaatgctaag 50

<210> 8011  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8011  
gctagatccc cggtggtttt gtgctcaaaa taaaaagcct cagtgaccca 50

<210> 8012  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8012  
gcatggctta acctggtgat aaaagcagtt attaaaagtc tacgttttcc 50

<210> 8013

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8013

ccgccctgta ccctctttca cctttcccta aagaccctaa atctgaggaa

50

<210> 8014

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8014

ggacagccca cagggagggtg gtggacggac tgtaattgat agattgatta

50

<210> 8015

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8015

attgaagccg actctggccc tggcccttac ttgcttctct agctctctag

50

<210> 8016

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8016

actagacttt atgcatggt gctttcagtt taatgctgtg tctctgtcag

50

<210> 8017

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8017

gagccatatg aaagagacca tgccgtggtc gtgggagtg acaggccacc

50

<210> 8018

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8018

ataacagact ccagctcctg gtccaccgg catgtcagtc agcactctgg

50

<210> 8019

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8019

ctggcctctg tgcctagaa gggaccctcc tgtggtcttt gtcttgattt

50

<210> 8020

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8020

cccaaagctc actttacaaa atatttcctc agtactttgc agaaaacacc

50

<210> 8021

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8021

atgtctgcta gaaagtgttg tagttgattg accaaaccag ttcataaggg

50

<210> 8022

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8022

ctctgcatgt tctgtcttg tgcccttctg agcccacaat aaaggctgag

50

<210> 8023

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8023

tgcatcgtaa aacctttcag aaggaaagga gaatgttttg tggacacgtt

50

<210> 8024

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8024

agccctattc atgtctctac ccactatgca cagattaaac ttcacctaca

50

<210> 8025

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8025

agtgcagtg aacttaagca aattaccctc ctaccaatt ctatggaata

50

<210> 8026

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8026  
acacatgccc tgaatgaatt gctaaatttc aaaggaaatg gaccctgctt 50

<210> 8027  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8027  
gccactgaac caatcacttt gtatgctatg ctctactgt gatggaaaac 50

<210> 8028  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8028  
aggaccgaag tgtttcaagt ggatctcagt aaaggatctt tggagccaga 50

<210> 8029  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8029  
ttcaatggaa aatgaggggt ttctcccccac tgatatttta catagagtca 50

<210> 8030  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8030  
gtctcatggt ctgacttagg gcaatttgat tctgcacttg ggtctgtct 50

<210> 8031  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8031  
gcagcagctt aatTTTTtctg tattgcagtg tttataggct tcttgtgtgt 50

<210> 8032  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8032  
acctccact ttgtctgtac atactggcct ctgtgattac atagatcagc 50

<210> 8033  
<211> 50

<212> DNA  
<213> Homo sapiens

<400> 8033  
agccctattc atgtctctac ccactatgca cagattaaac ttcacctaca 50

<210> 8034  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8034  
acatggaaga ctaaactcat gcttattgct aaatgtgggc tttgccaact 50

<210> 8035  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8035  
agacccctgt gatgctctgt acctcaatta aagcaattcc tttgacctgt 50

<210> 8036  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8036  
cgactactt cacctgagcc acccaaccta aatgtactta tctgtcccca 50

<210> 8037  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8037  
ctgtagactc agtgccagcc acagcttcag agattgtgct cacatggat 50

<210> 8038  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8038  
tgacaaagga ttttacgttt ataaaattat gacagaagcc atgtgccccg 50

<210> 8039  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8039  
gtctgccctg ctggctggaa acctggtagt gaaacaataa tcccagatcc 50



<210> 8040  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8040  
ctcgtcatatc aatgcctgat gggctcctgt caccctccac gtctccacag 50

<210> 8041  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8041  
ctagggagcc gcaccttatc atgtaccatc aataaagtac cctgtgctca 50

<210> 8042  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8042  
tccgtatcca ttacttcgac ccacagtact ttgaatttga gtttgaggct 50

<210> 8043  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8043  
ccagtcctcc acacccaaac tgtttctgat tggcttttag ctttttggtg 50

<210> 8044  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8044  
ctgttgcttc tctgaggctg ccagttggtg tgtgttaccg atgccagaag 50

<210> 8045  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8045  
aatatagtca agcaagtttg ttccagggtga cccattgagc tgtgtatgca 50

<210> 8046  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8046  
tttgctatct tcgtcatgcc tttgagactg agtcttactc cgtccccag 50

<210> 8047  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8047  
ttgtgggtgt gaaacaaatg gtgagaattt gaattgggtcc ctctattat 50

<210> 8048  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8048  
caggaaggag gtaggcacct ttctgagctt attctattcc ccacccacac 50

<210> 8049  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8049  
gggagccatc cctctctacc aagggtggcaa tgatggaggg aacttgcattg 50

<210> 8050  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8050  
tggtccgcaa tactgtagga acaagcatga tcttggtact gtgatatttt 50

<210> 8051  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8051  
ggttttctac tggtatgtga gaacattagg cccagcaac acgtcattgt 50

<210> 8052  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8052  
agccctgcaa aaattcagag tccttgcaaa attgtctaaa atgtcagtg 50

<210> 8053  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8053  
tggggactat agtgcaacct atttgggtaa agaaaccatt tgctaaaatg 50

<210> 8054  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8054  
accactgtat gtttacttct caccatttga gttgcccatc ttgtttcaca 50

<210> 8055  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8055  
ttgacctccc atttttacta ttgccaata cttttttcta ggaatgtgct 50

<210> 8056  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8056  
gaggagggtg cccagaagaa aaagatatcc cagaagaaac tgaagaaaca 50

<210> 8057  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8057  
aacctaccag cccttctccc ccaataactg tgggtctata cagagtcaat 50

<210> 8058  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8058  
agagagttgg accactattg tgtgttgcta atcattgact gtagtcccaa 50

<210> 8059  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8059  
ccctgtactg ctgctgcgac ctgatgctgc cagtctgtta aaataaagat 50

<210> 8060  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 8060

acacacatac acacacccca aaacacatac attgaaagtg cctcatctga

50

<210> 8061

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8061

acctcccact ttgtctgtac atactggcct ctgtgattac atagatcagc

50

<210> 8062

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8062

aacaacatta acttgtggcc tctttctaca cctggaaatt tactcttgaa

50

<210> 8063

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8063

tctctgtca atctctgctt ggctccaagg acctgggac tcctggtacg

50

<210> 8064

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8064

tgtcttactc aagttcaaac ctccagcctg tgaatcaact gtgtctcttt

50

<210> 8065

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8065

aacttttaca ctttttcctt ccaacacttc ttgattggct ttgcagaaat

50

<210> 8066

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8066

tggtgagtgg aatttgacat tgtccaaacc tttttcattt ttgagtgatt

50

<210> 8067

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8067  
gagtgaggaa gacccccaaag catagactcg ggtactgtga tgatggctgc 50

<210> 8068  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8068  
tggcaaagcc cctcacactg caagggattg tagataacac tgacttggtt 50

<210> 8069  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8069  
ggaaaggaaa ctttgaacct tatgtaccga gcaaattgcca ggtctagcaa 50

<210> 8070  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8070  
agttaagatt attcagaagg tcggggattg gagctaagct gccacctggt 50

<210> 8071  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8071  
ttaccttgtagtg gatgctagtg ctgtagagtt cactggttgta cacagtctgt 50

<210> 8072  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8072  
ggggtcttca cattatcata acctctcctc taaaggggag gcattaaaat 50

<210> 8073  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8073  
tttccttgtag caattcagac ttaagcatcg agtttttacc atcttcact 50

<210> 8074  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8074  
acatgtgcaa ataatgtgg cttagacttg tgtgactgct taagactaaa 50

<210> 8075  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8075  
aaatgtagct tttggggagg gaggggaaat gtaatactgg aataatttgt 50

<210> 8076  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8076  
accactgca aaagtagtag tcaagtgtct aggtctttga tattgctctt 50

<210> 8077  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8077  
gcctgctgtg aactgctttc cctcggaatg tttccgtaac aggacattaa 50

<210> 8078  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8078  
gaagagccat ctcaacagaa tcgcaccaa ctatactttc aggatgaatt 50

<210> 8079  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8079  
aggagggtgg gtggaacagg tggactggag tttctcttga gggcaataaa 50

<210> 8080  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8080

tgcttgatta agatgccata atagtgtgtg atttgcagtg tgggctaaga

50

<210> 8081

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8081

ttgggggaaa tggtgtgggg gtgggggtga gttgggggta ttttctaatt

50

<210> 8082

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8082

agcatggtaa acctgggttt tggtcatatt ttctccagac agaaatgcaa

50

<210> 8083

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8083

ggtctctttg actaatcacc aaaaagcaac caacttagcc agttttattt

50

<210> 8084

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8084

gcccttgatg ctggagtcac atctgttgat agctggagaa ctttagtttc

50

<210> 8085

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8085

gccgattcca agcgagggat ttaatcotta catttttgcc catttggtc

50

<210> 8086

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8086

ttccctggac agtttgatgt gcttatggtt gagatttata atctgcttgt

50

<210> 8087

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8087  
ggcggtgact gcccagact tggttttgta atgatttgta caggaataaa 50

<210> 8088  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8088  
tgaccatttg gaggggcggg gcctcctaga agaaccttct tagacaatgg 50

<210> 8089  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8089  
cagtcctcac accagccaag gtcacaggca agagcaagaa gagaaactga 50

<210> 8090  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8090  
cctcagtgat ggaatatcat gaatgtgagt cattatgtag ctgtcgtaca 50

<210> 8091  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8091  
acacacaact tcagctttgc atcacgagtc ttgtattcca agaaaatcaa 50

<210> 8092  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8092  
ggaatttcgc accagaggac ccaccacgtc ctcgcttcga catcttgaac 50

<210> 8093  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8093  
ggaggcagcc agggcttacc tgtacactga cttgagacca gttgaataaa 50

<210> 8094  
<211> 50



<212> DNA  
<213> Homo sapiens

<400> 8094  
cagagaaaga aaaggcaaaa gactggtttg ttgcttaat ttccttctgt 50

<210> 8095  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8095  
gaaagcaggg aagcagtgtg aactctttat tcactcccag cctgtcctgt 50

<210> 8096  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8096  
tggtagatt gtttccactt ggtgatcatg tcttttccat gtgtacctgt 50

<210> 8097  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8097  
tgcacgtaa aaccttcaga aggaaaggag aatgttttgt ggaccacttt 50

<210> 8098  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8098  
tggacctgtg acattctgga ctatttctgt gtttatttgt ggccgagtgt 50

<210> 8099  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8099  
tgcaactagc aactcatctt cggaagacac agccaggaga atgaagtaga 50

<210> 8100  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8100  
gactttctc tctgcgagct tctacttcta agtctgaatc cagtcagaaa 50

<210> 8101  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8101  
gtttctcttt gggtttccag attttcttta gaacggtgac tgaccctcct 50  
  
<210> 8102  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8102  
ctgagcaata actagcataa ccccttgggg cctctaaacg ggtcttgagg 50  
  
<210> 8103  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8103  
tgcccatttc acattgctca ttactcatgc aaatttcttc ttgctaacct 50  
  
<210> 8104  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8104  
accaccatt ggtaaaatat tcaggggaac ttggtttaa agtttatgct 50  
  
<210> 8105  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8105  
gtcaaataag gttgttcttt ccttgaagga cagcacccat gccacagcac 50  
  
<210> 8106  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8106  
ctggaaaaac atcacatggt tgagtcaagg atgaaaagtc aaaactacct 50  
  
<210> 8107  
<211> 50  
<212> DNA  
<213> Homo sapiens  
  
<400> 8107  
atccatcaa taaacacagc aacacctat gctactgacc aagcaaagct 50

<210> 8108  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8108  
tagtttagagt ccaagacatg gttcctcccc cttgtctgt acatcctggc 50

<210> 8109  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8109  
cagcctgcct gcttgccatt tttcttcccc ttccattttt ctaacctcag 50

<210> 8110  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8110  
acttctcccc cctcccccta gcattactta tatgatatgt ttccataccc 50

<210> 8111  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8111  
aaggaatttg ttttcctat cctaactcag taacagaggg tttactccga 50

<210> 8112  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8112  
tttgcacccc gagttttgta ttccaagaaa atcaaagggg gccaatattgt 50

<210> 8113  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 8113  
aaacaggaag ggggtttggg ccctttgatc aactggaacc tttggatcaa g 51

<210> 8114  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8114  
aaaaacggtt tatgggggta gggaaacagg ccgaaaagaa cgtggagaaa 50

<210> 8115  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8115  
ggggactcag gccccgctg ggggtccac atagggtttt tatccaaaaa 50

<210> 8116  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8116  
tgttggtgga tacgtactta actggtatgc atcccatgctc ttgggtact 50

<210> 8117  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8117  
tgagagcaca ccataaatc acagcaggaa taaacgaaga cacacgagca 50

<210> 8118  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8118  
accagggtt aaaacctcaa tttatgttca tgacagtggg gatttttctt 50

<210> 8119  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8119  
agccatagaa ggtgttcagg tattgcactg ccaactcttt gtccgttttg 50

<210> 8120  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8120  
ccatgccctt gtcacatc ttgaatccca tagctgcttg aatctgctgc 50

<210> 8121  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 8121

ttaagaatgt ggcagaaatg tatgctgagg tagccagtc aatccttatt

50

<210> 8122

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8122

atcagtagca aaacaaaccc agcaacttct gtccagcatc tgctgtaggg

50

<210> 8123

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8123

cccatctaac tagcacacga accttcacg aggacgctg gcgagagaag

50

<210> 8124

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8124

gaacttgga gttgtagcag aggcagttga ggcttggtga ccataccat

50

<210> 8125

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8125

cgctctctcc tgacagcac caccaccaac agtctggatg attttaggca

50

<210> 8126

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8126

ttttgggaag aaaaccctat gcacttgaaa tacaattggc aatggaagct

50

<210> 8127

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8127

ctctttgttg ctactcattt ctctccggcg tctgctgagg ggtaggtgtc

50

<210> 8128

<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8128  
caacttcctc ttggttacct agaagaacag cagcaccgtg atccagagca 50

<210> 8129  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8129  
ctgtacatct gcatcccagc aaagagcagc agggacagga gggaggagag 50

<210> 8130  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8130  
cacagacaga aggtttcgtt cctcattcga cagtggctca ttcagctctg 50

<210> 8131  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8131  
tcaagattgg caattcactg tgcccattaa accactcagt agctcagcct 50

<210> 8132  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8132  
agttgtcctg agagttttac acttggtgaga aaatactggc agctttgatt 50

<210> 8133  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8133  
cacataggaa tccttctgac ccatgccac catcacgccc tggcgctgg 50

<210> 8134  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8134  
aacaggaacc tttatctctt tgtgaggcga tttgcattct ccacacaggc 50

<210> 8135  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8135  
gtacttgccg ccggtggcct cattgtagta cacgttgatg cgttccagct 50

<210> 8136  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8136  
atagtggcta gggattagga ggccaaggcg acaggagcag acaccgggtc 50

<210> 8137  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8137  
cattttggct tttaggggta gttttcacga cacctgtgtt ctggcggcaa 50

<210> 8138  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8138  
ccctggttca ggaattaagg ggacagactt gaataagaaa caaaacaaaa 50

<210> 8139  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8139  
acagtagaga atttgagtac acagggatatg gagagtaggg cacaaaatgt 50

<210> 8140  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8140  
gaacagcctc gtctttcccc gaatgccagg caggatgacg atgaacgtgg 50

<210> 8141  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8141

gacctccaga atttcctcat cgctgtcggg gaccaagtcc acagacacta 50

<210> 8142  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 8142  
 tcttgccatc ctatggaact gcctcgggta gttttctcct tcattacaga 50

<210> 8143  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 8143  
 tgttactcct tcaagccctt gaatcactat agccacgact ctccaactga 50

<210> 8144  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> N=A,T,C, or G

<400> 8144  
 agtcaaccta ccaaagacca tacctgacac ctaggctctc tcaccaatg gaatagactc 60  
 taatggtgat acataccaat aangggaaat ctagtgggtg taaactgttt atgcctcatt 120  
 ctatgaaagc tgaaagattg ctgttagctg tatgatgtat aatgctaata gcgatanggg 180  
 tacattgtct tctacagact cctacatatg tatgattatc acagtatgat gccagatact 240  
 aacattcata ttgaacaaat ggctggcgtg ggtagatgtc aagagaacat 290

<210> 8145  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8145  
 ggcagggtgga gaacacaaac gagtgagagc tgactgtagt cgaagatcat acaaggaaag 60  
 gtaagaaggc ctgcaagctg tgaattagac ataatacatt attaattata ggatgtaaca 120  
 ttatgtatat ggggaatata tatctaaact tatttatcaa tatttaatat tatatatatg 180  
 ggggtatgtg atgtaaagc atatatatta tatatatgta ttattaataa cttttgtgtt 240  
 atgagactga atatctataa atatatgttt tattaataat tactatatgc tgtgtaagta 300  
 tcacgttata ttttgtgtgc tgactaagta agcaacgcta tgtagatata aagagttgtg 360



tgatggagtc cactggtgat acaacg

386

<210> 8146

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8146

cgagtacaag cttttttttt ttatttttatt tcttgttctg gctatgatga caaactgggt 60

agtatatgat atatataacg tagagaagag taacatatag acacaaaaaa tatatatgag 120

tcatgtatta actagaaatg cacataagat aaaatggcct attgaatcat gtttttatta 180

tagatatatt acaaaatggc attgaaggaa acctacttat ttttcaatat gagaacaaca 240

gaaggctttt atgtatcacg aaaataacaa tatatctgat tttataattt ataatttaca 300

ttacataaagc tgagaactac acaataaaaa ctcaccaata ttgaatatta tata 354

<210> 8147

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8147

atctcgaagg caactcgcat gcacactagc aacatatata aacaatctta tattagactg 60

taaatggaaa ctgtaaagtg attagcttga atcttttctg cgaaagattt gtaacagaca 120

atcgggtgaa atcacctcgc gcatgttatg gagagattgt gacgttcagg acaaaacgag 180

taacagactg atcttctggt tgatactacg accaggactc caggac 226

<210> 8148

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(530)

<223> N=A,T,C, or G

<400> 8148

gacactgagt ctaggaatan gcacatatgg agctaaagac ctatgcttta aatactctaa 60

atatatagac tacacaaaaa catatgggaa aaatgtactg atgctaagat aatattgttg 120

atatcatatt gtagaaacta taacttttaa ccaatagttg tgagcataaa tgttacagt 180

atattgtgtg taatatatag tacatgtaaa aatgaaacta aatttatata taattgtata 240

tatgacatca acaatgtaat tgatattctt gctgttatca caacactcga aattaatgaa 300

tgctacagac atggattaaa aagactangc tctctaaaga gataaagaat attacttaaa 360

gcacatatta ttatgtgtaa tacactatta gaagattaga tctaaactat acaacacana 420  
 acgtacttct tttcatcatc ctctgctaca aactattgcc ctctcaaaa tatagacgat 480  
 tgctaaaaga gtctgagcga tgatgccatc aatgaacaaa cgttttgagt 530

<210> 8149  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(514)  
 <223> N = A, T, C, or G

<400> 8149  
 tgtcttggag taaattttta gttcatggat gtaatgtggt ctacaggaat actgtatttg 60  
 taaaaaaata agaacattct gcaactgtag aaatgacccc attatatatt ttctgaaaa 120  
 gaaaacagtt acatgaaaaa aatgaccaat gaacatgtca tcatttgatg aaaaaccaga 180  
 agttattaga tgagagcagc gagtgaatct ttaaacaga cttgatcacg cacactcaat 240  
 aagtaatatc tctccgaaac cggatgtcat tctatatctg ttagaaataa tgatcatcaa 300  
 agaaagtaaa ttagaggata tttttgcaa tagtttatac aaaatatatg aaccaagag 360  
 attggaatth gtaaaaatgt aaaatagtat gaacaatatt tgcactctac catatttgaa 420  
 catctnnatg agttcacatt catactaggt tatcaacatt gcgttctttt tgcattcatt 480  
 ctttactgtt attaaaagtt caaaaccaat ataa 514

<210> 8150  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(170)  
 <223> N = A, T, C or G

<400> 8150  
 ccactattat gggatttggt ttagtccatt atggattctg gatattcaan catttacaat 60  
 gtagcatatt tgattttctt ttttctttct ttttttggca tcattaacat ttcatttgaa 120  
 atgcatattg ttcttgaagt acctcggccg cgaccacgct aatcactagt 170

<210> 8151  
 <211> 162  
 <212> DNA

<213> Homo sapiens

<400> 8151

aggcgacagg gaatggcaag tttctgaagt cggcatagct tagttgttgc atccagcaga 60  
gagacagcac agggagcagc ctacgcagga agattacaac agaggaataa cacagaatac 120  
aatctgggat ggataatagt gaatggcatc cactagatga tt 162

<210> 8152

<211> 498

<212> DNA

<213> Homo sapiens

<400> 8152

cagtcttttt tttttttttt tttttttttt ttttgggttt ggaaccttta ataaaaataa 60  
aaaaggaatg caaaaagaac acaatgttga aaacttaata tgaatgtgaa cctcactaga 120  
tgttcaaate tgggagagtg caaattttgg tcatactatt ttacattttt acaaactcaa 180  
atcacttttg ttcatatatt ttctataaac tattggcaaa aaaatcctca aatttacatt 240  
cttttggtta cattatttct aacagatata gatttacttc cgggttcgga gagaaagact 300  
tattgtgtgt gcgtgaacaa gtctggttta aagattcact cgctgctttc atctaataac 360  
ttctgggttt tcataaaatg gtgacatctt cattggaaat ttttttcatg ttactgggtt 420  
cattttcaga aaaattataa gggggggatt ccaaagggtca gaaagatcct atttttttaa 480  
aaaaaaaaa ttctggta 498

<210> 8153

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8153

actattaagt tctttcacia aataatcatc ttatatcaac acagtaccaa tctaagtgtc 60  
cgcaggaggg ttactttaac atctccctcc tgtgtttact ccaatgtttc tccctttagg 120  
tatggtctgg gtaaatcggg ttatggatgc atctgtccac accacgctcg cagcatgtca 180  
ctctgcgcat taag 194

<210> 8154

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8154

gtgcgctggc tatggacacg taaaggaatt gccacatggg ggacattgat tgcaaattgt 60  
tgaggggatg gaaaggatgt tggacgttct ggtgaaaagc tggaagatgg ccctaaattc 120  
ttgaagtact ggtgaagctg tcattgtcga tttgggtggg ggatagcttc tgtacgtg 178

<210> 8155  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8155  
 caactattat actattctct tctgctttca ttctgatgtg gtctgtaata gcaaaataca 60  
 tgacttattt gtgtggatgg caaaacaaaa ggtgtgtgtt ggatgggtctg cttatcagtg 120  
 gatgatacaa cagtcaagca aaacctcgcg gccctaacc aaaatcgatg aatctttgga 180  
 acttgaaaga caatctggcc tgtatgaatg ggcaaacagc gaccatcatt cgaaatgaaa 240  
 ctggtaggca gtcacatttg acattcatga tcttcactgg ctactcgtcc agactcaaaa 300  
 cgctggtgac tgtaaacagt gtcaggtttt aaccaagcgg aattccatta aatatttgcc 360  
 ccaatgctct ggaaactggg agagaatcct tgcactgtga tagctgctac actgtgcgcc 420  
 tgaacacagc gccattggtg gtaccccccg 450

<210> 8156  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8156  
 tatcatatac ataaaacaga tggctgggga ggaaggaaga caaacaagaa tgactcagct 60  
 ggatggacat acacttaatg catgatcaat catcaatctg tctgttatac attagtgtgt 120  
 gagtgggatg tccatacatt aactattgaa tgaaaggtaa gttatttaaat atatttat 178

<210> 8157  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8157  
 tttttttttt ttttttttgg ttttgaacct ttaataaaag taaaaaatga atgcaaaaag 60  
 aacacaatgt tgaaaactta atatgaatgt gaacctcact agatgttcaa atctgggaga 120  
 gtgcaaatat tggtcactact attttacatt ttttaciaac tcaaatcact ttgggttcata 180  
 tattttctat taactattgg caaaaaaatc ctcaaactct cattcc 226

<210> 8158  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8158  
 tactgactat ggaaacatga atatatgtaa gggccattca tgatatatga atgagaagag 60

taagctttca tatggaaaaa cacaatcatt caaaaaatga atgacatgct gatgtatagc 120  
 aacacgcatac ataaaaatgaa gagtatatca ataacatatac tatgcttaga taagtactac 180  
 cttctgtgta ttatagaaca ataagtgtgc attggttgta ctttgcaact aacgcatggg 240  
 tatcatgggt atgcacccat catgatggag tctggattac catcttgctt ttggataaaa 300  
 cagatctatt tggggcatct acataggatt aatagagaga gaaagaggat atatgattca 360  
 taaatcatat atgctctgat caaatgcaag catcattaaa aaacatatgc tatctataac 420  
 tactcatcag attgctgtga tctatacact ctctccacat attaatactg tgaaacttca 480  
 actatagcac attactctgg atatgcaaag ttagcacggg aggacatgaa 530

<210> 8159  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8159  
 agcatttaac ccaaacaggg gttcttagcc tcagcactat gacattttgg gctgactact 60  
 tatttgtag gcgggagctc tcctgtgcat ttaggataa ttagcagtat ccctggtggc 120  
 tacccaatag acgccagtag caccgccgaat tgacaaccca aactctccag acatcaccaa 180  
 ctgtcccctg cgaggagaaa tcaactcctgg gggagaacca ctgacccaaa tgaattctaa 240  
 accaatcaaa tgtctgggaa gccctccaag aaaaaaaaaat agaaaaagca cttgaagaat 300  
 attcccaata ttcccggta gcagtatcaa ggctgacttg tgttcatgtg gagtcattat 360  
 aaattctata aatcaattat tccccttcgg tcttaaaaat atatttactc ataaacattt 420  
 gtgttttgtt gaaaagatgg agtttacaaa gataccatcc ttgagtcagtg gatttctctg 480  
 gtcacagaat ggtgtggcat ttggaaacgg gaataaacia aattgctgca tcaatgcact 540  
 gagtgaagga agagagacag aggatgaagg gttttaga 578

<210> 8160  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8160  
 ggtgaggtag tatgtgagtg aaataaatgg atggaattag tgatatgaat aattgaagtt 60  
 tgagaagtag aatggatggg cgtgttgtag ttattagtaa aataagatag aagaatgttg 120  
 taagaattat atggatggat atgatatgta gggtattatt gtaatttata cttttatgaa 180  
 ttgtgaataa ggaaatatat tctatataga ttaggagtgga aagaatcagg tttataaagt 240  
 gaaataatta aatagaatgc agaaatgaag agaaagggat attgtgtaac atattattgg 300  
 aagaataatt aaaatattta atatgtgtta taaaagtga gataaaagtg ttttttatg 360

aacagaattg ttatgaaata ttatTTTTac attaaattaa aagtgtattg agtgaatatg 420  
 ttaaggaata ttatttgga atattagagt taggtacaat tgaagaaatg tgtgaatgaa 480  
 gaagaggaag tgattactgg gtgaaattat agtgaattgg aaataattga 530

<210> 8161  
 <211> 693  
 <212> DNA  
 <213> Homo sapiens

<400> 8161  
 gcggtggttg tgatcggcta tgtgggtagc ttggtggtgt ggtggcggca gtgaggggct 60  
 aggatgggtg gtaggatatc taggactgag acggagactt gacctccacg atgcaacatc 120  
 caatgagtat gctatgtgag aaaaatgaga gattaacgag ctaaatgcag tgtgtatgat 180  
 gtgtgagaac atcacagatg gatgatcgca caagaggcat ttgcatgata tgatcgcttc 240  
 atagatggaa taatcgaact ggtgaatatg tatgagctgt gatgaatgtt gctgcagaat 300  
 ccatctgttg aaccatgtat atgcaatgtg tgaggaggct agatgaatgg atcatatcat 360  
 gatgatgtta acaatgttgg gtgagattgc tatggtgaca aatcatgtgg atgtatacag 420  
 gaatatttct gggtgctgcg gttgacaacc atggggggatc agacaagaga agtagtagag 480  
 agtgatgttg acatcgatgg gggatacgct tataaatgat gaagtggatg acgtgtgcac 540  
 gtggagcgta tacgatagtt actaacgagt ttggagcata gtgtgagtat tataatattgt 600  
 caagttaata acgtggtgga tgcattgtta tagttgttta ttgtgtgaaa ttgatattctg 660  
 gttataatta tggtcataat ttgtatcctg taa 693

<210> 8162  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8162  
 atgatagttg tgaaatgatt gattggaggg taagttattg gttgttttta gatttaggtt 60  
 agaaagagga ggtatgtgga taggagtaaa taatgtgatt ggtttattgg gtgaaatatt 120  
 atgttttggt gtttgatat atggaggatg gtgatttttag tttggataat agagggtata 180  
 taaatgcaat ggaa 194

<210> 8163  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8163  
 cagcatTTaa tccaaacagg gggtcttagt ctcagcacta tgacattttg ggctgactac 60

ttatttggtta ggcgggagct ctctgtgca ttgtaggata attagcagta tccctgggtg 120  
 ctaccaata gacgccagta gcaccccgaa ttgacaaccc aaactctcca gacatcacca 180  
 actgtccctt gcgaggagaa atcactcctg ggggagaacc actgacccaa atgaattcta 240  
 aaccaatcaa atgtctggga agccctccaa gaaaaaaaaat agaaaagcac ttgaagaata 300  
 ttcccaatat tcccggtcag cagtatcaag gctgacttgt gttcatgtgg agtcattata 360  
 aattctataa atcaattatt ccccttcggt cttaaaaata tatttcctca taaacatttg 420  
 aagtttggtg aaaagatgga gggtacaaag ataccattct tgaagc 466

<210> 8164  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<400> 8164  
 cccttaagat tctggacctc ttagaaggaa ggctcatcta tacacttcaa ggacatacgg 60  
 gacctgtctt tactgtttca ttttcaaaag gtggagagct atttgcata ggagggtgag 120  
 acacacaggt cttattatgg aggactaact ttgatgaatt gcattgtaaa ggtcttacca 180  
 aaagaaatct caaaagatta ctttttgatt caccaccaca tcttcttgat atctacccaa 240  
 gaacaccaca tccccatgag gaaaaagttg agactgtaga aattaatcca aagcttgagg 300  
 taatcgattt gcagatctct actccccctg ttatggatat ctttctttt gattctacca 360  
 caacaacaga aaccagtggg aggactctgc cagacaaggg tgaagaggcc tgtggatatt 420  
 tcttgaaccc ttccttaatg tcaccagaat gtttgccaac aaccacgaaa aagaaaacag 480  
 aagacatgag tgacctcccc tgtgaaagtc aaaggagcat acctctcgct gtgactgatg 540  
 ctttagagca tattatggaa caactcaatg ttttgacaca gactgtttca atcttgagc 600  
 agcgactgac tttgacagaa gataagctga aagactgcct tgaaaatcag caaaagcttt 660  
 tagtgctgtc ca 672

<210> 8165  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(514)  
 <223> N = A, T, C, or G

<400> 8165  
 ggcttgggct gctggggcag gggcaactgg aggcaagcgg aaaacgacga ttagttcttt 60

```

atgtatgata ataaattaat attaatacat atanatatat agatattatg taaatgttac      120
tatgataatg gttatcgttt atacgttatc gtaatatcat aagattttta tacaaaatca      180
aaatacgaag actactaaca tgaggatgga gaaggaaaaa agtttctgaa tcttgaccgt      240
ggctgaggcg gagacgattc ttggacttgg agctgtatct gtatgtaaat gaacatagag      300
gaatacgact acagaaccta ataccaatac caggacaatg gctctgcatt taaatgatag      360
tgactgtgac tgaatacagt ttaagttaat tgttgtaggt gattgtgatt atattaatgc      420
gatagcgtat attgagatga agatctaagt gattgtgaac acttgacctt gatgtccctg      480
gacacagtgc attagcgtca tttctaggtc acgc                                  514

```

```

<210> 8166
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(402)
<223> N= A, C, G, or T

```

```

<400> 8166
gggtactgtga aaccaccaac ttcagttgcc tcagactcca gtaatacaac ggtcaccacc      60
atgaaacctta cagcggcatc taatacaaca acaccaggga tggctctcaac aaatatgact      120
tctaccacct taaagtctac acccaaaaaca acaagtgttt cacagaacac atctcagata      180
tcaacatcca caatgaccgt aaccacaaat agttcagtga catctgctgc ttcacagta      240
acaatcacia caactatgca ttctgaagca aagaaaggat caaaatttga tactgngagc      300
tttgttggtg gtattgtatt aacgctggga gttttatcta ttctttacat tggatgcaaa      360
aagtattact cagaagaagc attcgtatcg aaccataaat ga                          402

```

```

<210> 8167
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(322)
<223> N= A, T, C, or G

```

```

<400> 8167
ttctccctta aggactttgg caagaataac aagttcattg gaatttgact ttctgacata      60
gagcagacag ccttgccctg tcatgccagg cctttcatgt gaagttacca tttattagct      120
gcttctgtct ctccnaggga agatttcctt tttataagcc tgggccaggg ggatgatagt      180

```



aagattcccc atgtgatacc agagttggaa taagctgtag tgagattang gccaggactg 240  
 tcccattttg attcttgaat ggtttctgtt acaacttgtc atgggggaaa aagtaacact 300  
 tatttttttt ttctccctt aa 322

<210> 8168  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8168  
 tactatgata tgtgaatgga aaagtaggca gctgatgact caaattaaga attttaatta 60  
 cattgactcc aagtctgata ttctgatgag tgatcatatag cacttaatgt ctgcttcata 120  
 taatactacc acttattaga tatatataga ctcaagagca ttaacaaaag tagagaaaga 180  
 gtgagtcatt atatacctat gagtaaaata tgaaaatgac tatatgtgtc tgtctgtgtc 240  
 ttgttatcgg tgatgcaa atgttaattct tgatggaagc tgtcgacgtg 290

<210> 8169  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(242)  
 <223> N = A, T, C, or G

<400> 8169  
 cgggtgtnca tcgcttgntg gtgtggttct tatnattaac nccattgtgt atacaggttt 60  
 ccagtcctt ggggtacagt agtgggtggc cagatgggta tgtaagtatt tggagtcagg 120  
 tgtataatgg attttcgggt gatatggatg taaagaaaag ctttccttgt tcacccggac 180  
 ttgaaatcgt ggagttttta tagcagatct tcagcagggt agagaatcac agctgcattc 240  
 ca 242

<210> 8170  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8170  
 ctgtcgagaa tggaggattc ttacgtggac atgagttgca ttgttctttg atgctgtagg 60  
 cttattaaaa gtatgtagtg actagtttcc aggcacttgg aatctgtgtt cctatgggtg 120  
 gcggcatagc agctagcatt tttgatcacc atacagcagg gcttcgggta gtcgcgat 178

<210> 8171  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(242)  
 <223> N = A, T, C, or G

<400> 8171  
 ccagnagggtt atccctgtac ctgccctggt gattggccag cgaatcagggt ctaaccagca 60  
 caactccac ctggaccagc cgaaccagct ctgagcatga gttgggtcag atctgaaaca 120  
 tcccctgcat aaccccagca agctacctcc cctgctaatt atggatgctc atctcctgca 180  
 agcatcaacc gcattggcag aagcagcaaa cccacttcct ccttgcttag catggaccat 240  
 gg 242

<210> 8172  
 <211> 722  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(722)  
 <223> n = A, T, C or G

<400> 8172  
 gggaccggga ggtgacttag tgctgatact ggcaattggn aaagatgagg gacgnctgct 60  
 tgcactccag catgcgccca tttttaatta cattgtttcc caagtatgca tattctgnac 120  
 atgtctatag cacttagtgt ctgcttcata taaactacca gttattatat atttatgatg 180  
 caagtagttt tccaaatgtg gtgaaagtct gagtcttttt atccccatgg gtaaaatctg 240  
 aatctggctc tctgtgtctc tctgtgcttg tttattgctg gtcagagagt caattcttga 300  
 taaaagctgt tgacttggtc ctacacagtt atgcagacat tggagagacg atctgggttat 360  
 ttcaaacatc acaggatctg agtaagaaga cctgggttatg aaacaaggct ctcataatta 420  
 ctagctatga ctgttgacaa gttacctttt cttgtttaca agttatttgg cctctttgaa 480  
 ttacttgtaa aatagagata gggattcttt cttgatcatg gaacatcaaa tgaagttatt 540  
 tgatgaaata ctttggtatc tggaaattat aaatatcact tcatgtttat tattatttgg 600  
 aatttgggct tctcatggtg gcattttcta tggtcatttt tttcttttct tgcataatgg 660  
 ctataaagtt agttagacat gcaaacaaat gccctaagtg ggaaattttg aatagggttag 720  
 gg 722

<210> 8173  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8173  
 ttgtttgcag agtcctcaaa tgtatcacag aaaacagttg ctgtggaaac ttatagtga 60  
 ccctactgac gcacaagcat taagaagtcc acttgctgca tactgtaagg agaacttgct 120  
 gcatttgga aatgctgctt aaggcaacac acattacctt tgtgacaggg ctctgtccac 180  
 tgggggtgggc tgatgcaatc tatacagaat gcacatgctg cctttttttc ttcttttttt 240  
 gc 242

<210> 8174  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, T, C or G

<400> 8174  
 agcacgtaac ccatccgatc cccaagatt aaggaaaaag agtgggagag caaatggaag 60  
 aagcccctgc taacgggatg ctaatgagaa atggggagca ggaggctgac aatgaggtag 120  
 acgaagaaga ggaagaaggt ggggaggaag aggaggagga agaagaaggn gaaggtgagg 180  
 gggggggggg cggg 194

<210> 8175  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8175  
 tttttttttt tttttttttt tttttgggct tccaattat tttaatgaag ggattgggag 60  
 gaggacatac aaaacggcca gatacacagg gtagcagggg cttgataatg agataatttt 120  
 ccccccagtg ttgggaaaaa aaatactatg tattttttta tgaacactat taaaaaaaaa 180  
 taaaccact cacaacattt tggagggact aaaggccaag agaaaccaat ggagaatcat 240  
 tatttggggg atgggggggg gagtttctgg ggggcagggg gggatgtgga caggcagggg 300  
 ggggtggagg aaccttgccct ctggcgggaa tgggaaggag ggacaaggaa caaa 354

<210> 8176  
 <211> 603  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8176

```

ccccaaataa ctttcttatt gctctgaaag aagaaaagca atgtaaatca ctatgattat    60
tgcacaaaaca accagaattc tccaacaatt ttaagtaatc tgatcctctt cttggagaaa    120
attgttacct aatagttttt ccttatgaat gttattacta ctggtataaa tcaaatttct    180
ataaatttcc tacttaagtc ttaagaactg gggtcttctt ttgatgttat tcatgttcag    240
aaaggaaaca acactttact cttttaggac aattcctaga atctatagta gtatcaggat    300
atattttgct ttaaaatata ttttggttat tttgaataca gacattggct ccaaatttct    360
atctttgcac aatagtatga cttttcacta gaacttctca acatttgga actttgcaa    420
tatgagcatc atatgtgtta aggctgtatc atttaatgct atgagatata ttgttttctc    480
cctatgcaa acaggtgaac aaacgtagtt gttttttact gatactaaat gttggctacc    540
tgtgatttta tagtatgcac atgtcagaaa aaggcaagac aaatggcctc ttggtccccg    600
ccg                                                                    603

```

&lt;210&gt; 8177

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8177

```

ttattttatt tatttggtat tatgtttttt tatttttttt ttttttgta tttttttttt    60
tttttgtttt tttttttttt tttttttttt gttttttttt tttttttttt tgtttttggg    120
ggggggaata ggagaggggg ggggaggggg gggatgatgaa ggggggggga aaagaggatt    180
tataatataa aaaaaggggg aattaaaggg ggggagagaa gttaatgaaa aggaggaaaa    240
aaaaggatat attaataaaa aaaaattgga aaaaaggggg agttttttat taagaggggg    300
gtatattttg gggggaaaaa aatatggggg gggggaaaaa aataatagtt tggg          354

```

&lt;210&gt; 8178

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8178

```

acggattgaa ttgactgatg catgctcaca tatgtctaaa aacaatctgt ctgcaataac    60
atgtcatgaa tgtgtgactg actggtctgt ccttgtgcca gctactacct gctgcctgct    120
atcaatctct ctaacaacgg gtggacacac acccaccgac tgctggttgt cttacacaga    180
gaggaaggat ccttgcaact atctgggaga ttaatatgta accagcaacc tgtgtttgca    240
gccagctgtg ggaggtcaaa caaacaaaag catgcaagca tgtgcggact gaaccgagtg    300

```

atgctgctga gagtacctgc ctgggcggac ggtcgactc tcttactatt ga 352

<210> 8179

<211> 464

<212> DNA

<213> Homo sapiens

<400> 8179

gctttttttt tttttttttt tttttttttt tttttttttt tttaaaaaac taaggaaatt 60

aattgggttc agggaaaaaa ccggaaaaaa tgggtgaaaa aagtggtaaa aaaaggtaa 120

cttaaaaaat acaaaaaata ccttggggta aaattttggg aggggggggt atttaaaaaa 180

aacggaaaaa aaacaaaaac ctaaaatatt gggaaaacaa aatattaact tttttttttt 240

tttaataaag ggggggggatt gtttttggaa taaattaacc aaaaaataa aggtaccct 300

ggttttttta agggaaaatt ttttatttta atcaaaccct aaaaaaacct tggtaaggt 360

ttatcccatt ttaagggggg aaaaaagggg ctaaaagggg gaagggaaaa tccttgggtg 420

gcaaaacgga ttatgggggc aaggtaattg aaatggaccc caaa 464

<210> 8180

<211> 448

<212> DNA

<213> Homo sapiens

<400> 8180

tacagttacc attgtacaat ttatgaacac atggattacc ttatgacaaa gcattatata 60

caccactgta ctagatgatg aagtgctaac cactcacatc actagcatgc cttctattta 120

tcctaatatt taaaggatg atttattgtc gaatgggtgg ggtggtacca atggtctcta 180

gtatggttag tgtgaaaact ataaatatgg atctttcagt gagctattag tgagcaccta 240

ggggctataa gatggtttca cttattaatc acaaaatatt cattattatg gtgaatgtta 300

gatatactct ctatgtaaat tggtagtaga aacgagttag aagatatgat gaatacaaaa 360

aaaataaaaa cagacatgca tgggcgggtg aggccatgat cttaaggaaa aaaatgttgt 420

gtgagtcgtg tataacatta aatgaatc 448

<210> 8181

<211> 576

<212> DNA

<213> Homo sapiens

<400> 8181

caagtaagg gttgtacggt gctgcgaggt cgaatagcat accaatattg gttgatctgt 60

ctgcaacatt agaaatatgg agatatatac tatttatata tatttaacat taaatatatg 120

gggaatatat ctttagactc atgaaaaaga ataatgtatt attatatgca tcatttgtga 180

tatgatatat gactgtgaca tgaatatatg aattatttgt aatctgtata accagtgact 240  
gctctgcgaa tatcactggt ttatcgactg ggccagctag gctatgagac tacgcaggat 300  
catatggggg gcgcgctatg caaccagccg aaacaagaac cactggagaa gtgaggtgat 360  
actactcgat gactcgacga acagctatat gtgaggcgat agtatccagt gcactgacgg 420  
cttgacaata tgcacgcgaa tgtgtccagt gttccaaggg catgacataa cataaccaga 480  
aagtgtcagg cgggcgcgta gaaaacatgc cgacaaatga gactgcacgc gtgcggcttc 540  
aaaaattgct gacaactgtg accgctacct gccggg 576

<210> 8182  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 8182  
gacagggggg gggggggggg cggggggggg gggggggggg gggggggggg gacgggcaga 60  
ggggacctat tggatgcaaa aaagaatatt tatataaaaa aaatatagtt gtttttttgt 120  
ggtttagaac caccagtaac aatgaaaaag tattcaataa 160

<210> 8183  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 8183  
cagttgtcaa caatatttgg taagcaacca gacatgtaaa tcttctgtag atgctttgtt 60  
tttcattatg gtgcacctgt acacatttca agttctgttc tgacatgtcc attattatca 120  
ctgtgctctt tattgtcaag catatttttt tttaccgggc tgtaaaactgg gatagttatc 180  
actttctctt tttttatttg tttatttg 208

<210> 8184  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 8184  
gaagtcttgt gttttactaa tgggaaaaaa aaatacagaa aaaagttttg ttactcatgg 60  
ctgccccacc gccagcctgg gccctaaaaa cagcccagcg cctcacttct ggcttgggag 120  
aaatatttct ttgctccttt tgggaattca tggcttgatg 160

<210> 8185  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 8185  
 gaggtcctgc aaaccatctc aagaccaaaa taagcgaccc ggcctatgtc cccctgttat 60  
 tgggattgac ccacacggcc tctacattgg catgcctagt ttgcttgca tctggaaaga 120  
 aaaagaattg aatcgcacgt ttctgggtaa aaaagctggg 160

<210> 8186  
 <211> 528  
 <212> DNA  
 <213> Homo sapiens

<400> 8186  
 tttttttttt tttttttttt tttttttttt ttttttttta aaattaaaaa ggaattatatt 60  
 tttttattgc cgggttttat taaaggggga ttttaaatta attcattgga gggggtaaag 120  
 gaaatggagt ggggtgggtgg gaaaaggcag gggggccaaa aattattacc cattaaaatt 180  
 aaaagtgggt tgggtgattg gtggggttct ggtgggttgg gttgggtttt tgtttttttg 240  
 ggggtgggtt ttctggctct tggtcttgac cactttttta accattgggg ttgggggata 300  
 agaaaaaatt ttaggcaag gttgggtatt aaaaccacaa aaattttggg gggaggaaaa 360  
 ttaaatatat tgttttaaaag gagctttcgg ggaggggggg ggtttggttt ttgttaccgg 420  
 gaggtggggg ggtagggggg ttaacacggg tctttttatt ggaaatttaa ttctcttaaa 480  
 ctttcaaat ggttggcggg ggaaaaaaa aatggccggg agggccag 528

<210> 8187  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 8187  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt gggggggcaa aaaatttttt tttttttttt 120  
 tggggttggg aaaatttttt aagggaattt ttgggggggg aattttgggg ataagtttta 180  
 aaaaaaaaaa aaaaaggggg ggtaattttt gggaatatatt aaggaattaa acaaggtttt 240  
 tatattaatt ttaggggggg gtttaaaaat ttatttgggt tttaaaaaag ggtaccatta 300  
 aaaaaaattg ggattggctt ttttaggggg acttaaagaa tttaaggggg tttggggggg 360  
 gggaaggggg ttatataggg gagg 384

<210> 8188  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 8188  
 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttatg 60

gggaaattta ccttttttta ttttttttta atattgaaaa ttttaaaaaa ggaattattt 120  
 ttcatttggg gtcccggccg gggggggggg taggatcact tgagtaatca ggggggcggt 180  
 ggatggggcg ctgaggggag aacacaaaca cagggcaggg gg 222

<210> 8189  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 8189  
 tcttggtcta atatagggtg tgtgtaatga actgctagac tgtatgcggt acatgaacta 60  
 tactagtgat ggggtgctgg ctgcatattg tgtattacta ggtctagttc tatgtattaa 120  
 tatgctgcat tgtggatatg gggcaatata ttttttgac gcatctctct tattagtatg 180  
 atttatagtc ctctttcgtg taatgcaata atgaatatct attattagat ggtattattt 240  
 cttatgacct atatcctgtg actgtctctc ttactccttt gtccgcggac tgattaggca 300  
 tggctatgtg ttacgtggc tttatttctg gggccatcct ggcagtgcc ct 352

<210> 8190  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 8190  
 agcttttttt tttttttatt ttttttttta atgtttgggt gtaaatttat taaaagattt 60  
 gatttataat atttgtaatg gtgactgtca ccttttttcc tgccttgcta ctgatgggat 120  
 tattctgctt aatatatttt ttattagatg tgcaagttaa 160

<210> 8191  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 8191  
 tactgacatg catgtactaa ctaggggtcta tggcatgact tgcataggct attacatgct 60  
 gagttggtag cattagactg catggatatca taataattga acacaatgct gatgaagaat 120  
 attatctcgt ggtagttagt atatttatag gcaagtggga 160

<210> 8192  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<400> 8192  
 tacaagcttt tttttttttt tttttttttt ttttacaagc tttttttttt tttttttttt 60



tttttttttt tttttttttt tttaaaatat tttttttttt atttttttgg tattaattaa 120  
 aaatatgaaa aaaaaagtaa aaggggttcc tttttggggg gaggccacct tgatggctta 180  
 aaacaagctt aataaatcga aaaaaaaat gggatgccaa aagatggggg gggaaaaagg 240  
 gcttgggggt taaaaggcga aaaagttggg tttagggggtt gggggggggg aacagagggg 300  
 aaaaaaatt cagtttaggg gaccctaagg ggacgggggg gggggggggg gtgagggaca 360  
 cttggaaggg tttttggagg gggattgggg ggggaggggt tttgttattg ggggagatcc 420  
 gggagggagg ggcggggcag ggtgggggtc cagtggggta aattttctta agggcataaa 480

<210> 8193  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 8193  
 tagagctttt tttttttttt tttttttttt ttttttttaa taggttaaaa aaaaattttt 60  
 atttttttta aggggtgtta aaaattggaa taaagaatat gtataatatt tgtagtgagg 120  
 gggggtttgg tgtaatgatt gaatatatag gaggatgaaa gatatttggg tgtaaataga 180  
 taaaattggg agggaagggt gaggggaaag ggggaatttt aaaaagatat attaaaaaat 240

<210> 8194  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 8194  
 tattacatgg cagcaggacc cactgagaac acaacgcctg ttgcggaaca agaacacgga 60  
 atggggctaa caacagacta agtactttat tgtagggcgg ataatatata actcatttgg 120  
 acaggcctgg gccatatctc tgactatgcc ctatattgga tgcctggcag gggcccaagc 180  
 ccaagaggat tctttaccct cggaacagct cccagggcac tcag 224

<210> 8195  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 8195  
 ctaagattga taatttgtgt atgtgatata aacgttttat taccagatgt gtacatttaa 60  
 tgagctatca ttacattat aaagggtgtg tgattctttg ttttttttaa acacaatttt 120  
 tatattcaaa tctgttggag caatgaaaag atggagagca taaacagggt tttctatgct 180  
 gatagaccat gg 192

<210> 8196

<211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 8196  
 tgatgaaagc caaattgacg caggatatga acctgttttg tattgtgata aggttaatat 60  
 tgtgtgcaat tttggtgaaa tgagagaaaa gattgatcgt ggtttttggtt gaaagatgga 120  
 tgatggtgct tgattgttgg atgatgggga tgatgacatt gatgatattg ctggtggaaa 180  
 gctgatgtgt ggtgatagat tcttaacta tggagatgct ggtattgttg atgtgggtga 240  
 tgtgaaacag atgagtgttg agagtgtcat aaaatataga ggattaga 288

<210> 8197  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 8197  
 tttgattttt ttgaaatatg ttgatattgat aatttatgat ataatttggg ggatagttgg 60  
 ttattttttaa ttttataatt acaaaaatat tgtaaaaatt tgtgttttagt atacattttt 120  
 aatagttgta tgaaagggtg atatgaatat tataatgaaa catgttagta agtgtaatta 180  
 agaatgatat gaatatattt tgtgttaatg atataaagaa atatgggatt gatattttaa 240  
 tgaaaatggt tgtattaagg ataataatga taaatgtttt aaattaattt actttaaaaa 300  
 atta. 304

<210> 8198  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 8198  
 tcgtgctaata ggtgggttctg aatgcaatat ttgaatatta aatttaaata tatatattat 60  
 tatggaacat aatttatatg gggaatatat tataagactc ataactgaaa taagtattga 120  
 taataaaaag aatatgtgta atgataatga atatctatta atatatagta tcagttataa 180  
 gttttatatt atgtgagtgt ctttaattaat tattggttgt ctgagtgatt taggcgacgt 240

<210> 8199  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 8199  
 agttgtattt aaaaaagcat aagtatagat tgtgttgggt agaaggagag gagaatgagt 60  
 tgatttgttg aagaggaggg tgtttgtgga tgaaggagg taagagttga aagtagaaag 120  
 ttgaatagat aggggaagtgt tgtgagtaag gaaaagtaag gaaaaggatt cattataaga 180

gaaaatgtta ctgagtgaat taataatatg taagtttggg ttca

224

<210> 8200

<211> 704

<212> DNA

<213> Homo sapiens

<400> 8200

caagcttttt tttttttttt tttttttttt ttttggtttt gaaccttta taaaagtaaa 60  
aatgaatgc aaaaagaaca caatgttgaa aacttagtat gaatgtgaac ctactagat 120  
gttcaaactc ggtagagtgc aaattttgtt catactattt tacattttta caaactcaaa 180  
tcactttggg tcatatattt tctataaact attggcaaaa aaatcctcaa atttacattc 240  
ttttggctac attatttcta acagatatag atttacttcc ggtttcggag agaaagactt 300  
attgtgtgtg cgtgatcaag tctgttttaa agattcactc gctgctttca tctaataact 360  
tctggttttt cataaaatgc tgacatcttc attggaaatt tttttcatgt aactgttttc 420  
atthtcagaa aatatataag ggggtcattc ccaagttcag aatgatccta tttttttaa 480  
aaacaaaatt cctgtaaaac aaattaactc caggaactta aaatttactc caagacattt 540  
ccctcaaaac aaagcaaaaa acccagccaa gatcggtaca tcacaaaacc aaacacaaag 600  
aacagcgctc acaggcaagt tcttctaagc ttctattctg ctgactgggtg gcttccattt 660  
taaaggagtc tttttatcca gccactttca cagaatttta taac 704

<210> 8201

<211> 576

<212> DNA

<213> Homo sapiens

<400> 8201

atgagtgaag ataaaatgac cagcagagga atgcatgtct ggtttcagag ttgcaggtta 60  
ttatcctgaa ccatacatga acatcataag cgtgagtgtg atgaactgta tcggatagct 120  
acaagcgca cattagaatg cgagtttgat gagttgaaag gaaaaataga ttgccggtct 180  
gggtagtagt tggaagatgg ttctaaatc ttgaattctg gtgatgatga ctatgttgat 240  
atggttattht gggagatatt gtgtgttaag agtttatcaa attattcttc tttagggtcga 300  
tttgccgggtc atgatattaa atatatagta gtagatgggtg taatcataag tagcgggaata 360  
cagtgatggg ggaactggat acgttcgcaa ctctgctcat aaagctcaga tagctgaatg 420  
aatagatca cttatagggtg ccactaagt cttaatcatt ggtgagataa caggcgtaga 480  
attgtttgtt tcatttgga ttctatgtat agttataaat gaatggataa tgatcacaat 540  
gtgtcgtata agcattatag cgagaagaga gatgtc 576

<210> 8202  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 8202  
 ctcatgcaag tgataggtgg aactgtcgcc tgcagctaaa acaggaagc ggaataagat 60  
 gctgatgctg tgtcgaggtc gatgagcatc ctggtagtgg tggctgtgcc tgcaatattt 120  
 gaatttttaa tctaaatctt tttatttata ttttaacatta ttgatatggg gaatatattt 180  
 ttatacttat cattaatata tatatttata atttctgctt ttgggtaatg aatatgtata 240  
 tctatttata tttgttttat ttattatttc tatttactgt gactgtctca cttttttctt 300  
 tggtttctgt ctgattaggg ttgggtatgt gatggcttag ttttatggc agggccgaat 360  
 tggcaggc 368

<210> 8203  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<400> 8203  
 tttttttttt tttttttttt ttttttggg tttgaacctt taataaaagt aaaaaatgaa 60  
 tggaaaaaga acacaatggt gaaaacttaa tatgaatgag aaccttactt gatggtcaaa 120  
 tctggtagag tgcaaatttt ggtcatacta ttttacattt ttacaaactc aaatcacttt 180  
 gggcatata ttttctataa actattggca aaaaaatcct caaatttaca ttcttttggg 240  
 tacattattt ctaacagata tagatttact tccgggttcg gagagaaaga cttattgggt 300  
 gtgcgtgac aagtctgggt taaagattca ctgcgtgggt tcatctaata acttctgggt 360  
 tttcataaaa tgggtgacatc ttcattggaa atttttttca tggaaactgg ttcattttca 420  
 gaaaatatat aaggggggca ttccaaagat cagaatgac ctattttttt aaaaaacaaa 480  
 attcctgtaa aacaaattaa ctccaggaac ttaaaattta ctccaagaca ttttctcaa 540  
 aacaaagcaa aaaaacccaa caaagatcgc tatatcacia aaccaaacac aaagaccagc 600  
 gctcacaggg aagttcctct taactttcat tctgctgact ggggggcttc atttaaaaag 660  
 ggtgttttaa tg 672

<210> 8204  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(288)

<223> n = A, T, C, or G

<400> 8204

```
catgagtccg cncagtgcgg taaaaattgn tggaaaatct gacctgtgga gtgccttaca    60
tatgtacttg aatagaagtg gtcaataaga ttgattgcat actgcattgg aaaaagacat    120
aaagaatgct tgacctatct atttatcctc tctcatgatg tcttcgtnta gaaaagttaa    180
atatgctggt ataagctcat agtttgcaat tgcggatagt ctcatgagag cttgatggat    240
gaaggctagt aatctgtggt ataagccatc tggggaacga ggacagga                288
```

<210> 8205

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8205

```
actgctgaac ctttttatgt tggttacttg tctatatatg ctatcttttg gtagtctttg    60
ctagcttttg atattgtgac tgacaaaggt ctgtggagtg tctatgagct ccagcgtgac    120
aacactgcct gctggcagct tggccagtcg tcactcaaaa                160
```

<210> 8206

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(255)

<223> n = A, C, T or G

<400> 8206

```
cagctttttt tttttttttt tttttttttt ttttttttat tttttaaaac aagcaaattt    60
ttattaaagg aaaaattttg cgagttttta ggtttgcgag gtgtaaattt tgtgaggggtg    120
aaaaggttta ctttttcacn cagtctgttt ctggcatgtc ttttaatgga tgtcagaagt    180
ccacctggta tcaatgtata tgccagtggt gcacactcct gtagttattt tcccgcattg    240
ctgtgcgcca gttttt                255
```

<210> 8207

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(192)

<223> n = A, C, T, or G

<400> 8207  
 tgttcgtgcg gacaagnttg tggcgtacag caaaaagcac ccaccaaggc aagacagctg 60  
 acttcatctg ctcatntgta ttatcctgca accatcctag tgcaaataaa gcgccggact 120  
 atgacctgct ggtattggga ttgagcacac gtgtctcaca ttgatatgtc aagtgttgac 180  
 tgaggctgag ag 192

<210> 8208  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 8208  
 ttccccctttt tttttttttt tttttttttt tttagggttt ttttttaaatt gggaagggaa 60  
 aaattaaaag ttaaggaac attaaagtgg aaaaaaaaaag ggaaacactt aacccaact 120  
 tttttgaaaa agaaaaaatg atgggggggg gagaaaagg aaaggggggaa aaagggtatg 180  
 gggggatttg gggggggggg acgtgggagg aaaggggagg gagg 224

<210> 8209  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 8209  
 ttatgaggta gatccttgct tgaaagtatc tgctgaaaag ccagtaacg tggcagcttc 60  
 atgcataaag atataaatga catttgctt aaatttggca gcctaccctg gcttgggtca 120  
 gatattgttg ttgaacacaa gaaagtattt aagcaaagaa acacttcagt ttaattgaaa 180  
 acaacttttt gtaatgctga cgtgttaaat tggcctgagg gtattaattg atatctgttg 240  
 attttgtttt tctttgaagt ataacattac tttttggagg gaatttttga aagatgcttt 300  
 cgatttctct caattcttta agtcatgcaa aatgaattta aaatccaggg agtatggatg 360  
 cattgcctta gttttgatga gcttttaatt aaatgtgtgc aatatcaaaa tattcaaact 420  
 tacaagctgg gtaaatacat ttcttgatta atatcttagt gcttaattgt tcccacattt 480  
 tcaaatttga ctttactctt ttttggcgta attcagtaag attgttacca gccagtgtgt 540  
 ttgcacacat ttgggttggt tctagatgag ttagggacag tcataaaagc tggggatatg 600  
 tcgcatttgc aatcagtagt agcatatttc cagaatatga gccataagggt gcagtcctga 660  
 atacaacagt gttatccata gaaaggagct ttctgacaaa tatacatagc cttactaatg 720  
 agtacccttg cgccctccct cccaccgcac ct 752

<210> 8210  
 <211> 368

<212> DNA  
 <213> Homo sapiens

<400> 8210  
 tttttttttt tttttttttt ttttttggtt atttctattt ttttttgtct ttttgtatag 60  
 gctaatttgt cggatttggg gatgagatat tgaagggttg aaaggattat atactgtatt 120  
 ggtggttggg tgggttgggtg ttgggctggg ggaagggggg ggaggtggga aattaattaa 180  
 taaaatagta ataaggtctt agataaatat tatagttaaa gggaggaggg gggggggtag 240  
 ggggataaaag gggcaattgt gaagggggga tgggtggatg tttttgtgga gctgtgggag 300  
 tgaggatggt aaaatgattt atttttatag gtaggagggg ggggggggtg tgggtgttac 360  
 gtggcggg 368

<210> 8211  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens

<400> 8211  
 atgtggtgtg tgggtggacac aaagttcatt tttattttct ttttccttta ttttttctta 60  
 tgggtgaatga tggaagatta ccgattaatt acacatggca catggataat ggatgttggc 120  
 tgtcatattc aattgcaatt tgttatagtg ctgtgtgatt aagtattgtt tattgactat 180  
 tattttattct atatggtata taagaaggaa gcaggaatgt tagctgatga cacgtgaata 240  
 tttattatac atgctgtgtg ctgcgtccat gttgattgct tatgacgtat ggcgatgga 300  
 acatttttaa gtcattcttg atggtagctg atacctgac tgtgtgttga gttatcctgt 360  
 atgtggatca tatttttaac tggattacgt gttactgggt tgggtgtggg ttgtgaacca 420  
 caccagagat cactaaactt gcttcagggt tagtatctga ctgggtgatg gattcttaag 480  
 cgccataagt catttgagta tttgattatc tgaataataa catgcaaatt agcaagaact 540  
 gggcatacag ggtaagcggc aaggacaata aggatttttg tagatattat atattttttg 600  
 tttttggtta aggagacaag tttgaagagc agacaaaatc tcttttttaa tatagtatga 660  
 atgagaatac ttaaaaaaat ttaaaaaata 690

<210> 8212  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8212  
 ggtacatttt tatttttttt tgggtgatgt tgtttgtctt tgaatgaagc atgtaattta 60  
 ttctcttaaa gaggagaata catgtggatc tttagaaagt aggaggacat gtctaacata 120  
 gatcgcttgt gtatatatta gtctataact gatcatgcat tacttagctg ggcggtgggtg 180

ctcatgcatg tattctgacc ttctggggca actgacgctg gataatattt aatacctgga 240  
 tagtggatga tgcagtgagc cacaatcacg ccaatgcact ccaacctgcg tgacagaccg 300  
 agactatgtg taaacatcta cttcaaatat atgggcctgg atgaatttaa atccgtggat 360  
 ggcgacgtac 370

<210> 8213  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8213  
 tactcttcca attaatatct acattgatat tcaccagata ttgtgaactg ataacactga 60  
 aataataaga attgcatagt atttgaagct gcataatcaat aacagctttc ttggtaatgg 120  
 ctctaatact atcttcttta tgggtgtggtc tgcctcatat tc 162

<210> 8214  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8214  
 gatagggaaa agttagatta ttggaagatt gtgtatactt attgatgaat atgatattaa 60  
 aatggggat gtagataaag aagaattgtg atttgaatga gaatattgag aatggattat 120  
 tgtattgagc ttttagtggt tttttattta ataatggaaa ataagctggt gtttagag 178

<210> 8215  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8215  
 gtaccatttt gcagcggagg gcatgatgga aggacaagcg tttagaaagt atgtatctac 60  
 tctgtgatcg gatattggta tgtaaggagt gctgctgtaa ctggaaccat aagagggatt 120  
 atgcttacac aatgatctca tggatatgtg ttgttagcat gagctgtgga tgtaggattg 180  
 tgtgctagag gaacgggtgg agagattcct caagctatgg tgaatgatag agataatata 240  
 tctgtatggc agaatatgga cggcagaaag tatttctata tgacaatgat tatttgctat 300  
 gtatagatgg tgacattatt gcaatgaagc taggacgtga gcacgctaact cactaatgaa 360  
 tacgggattg gctgcagctt gaccgtatga gataggtccc aacgtggcgg atgcatagat 420  
 tgagtatttg tatgtgttat atagatagct aggtgtaatg atggatatag gtgatagtgg 480  
 gtgaatatgt tattcgct 498



<210> 8216  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(550)  
 <223> n = A, C, T, or G

<400> 8216  
 caacgctctg aacgttccac tccacaatag gagacaccag ctgaagatgc gagatattgc 60  
 tgggcaggcc ctggcttttg ttcaggatct tgtgacggct cttctaaact ttcataccta 120  
 cacagaacag aggattcaaa tttttcctgt tgattctgcc attgacacta tatctccatt 180  
 gaatcagaag ttctcacaat accttcatga aaatgcgtcc tatgtccgcc ctcttgagga 240  
 aggaatgctt catttatttg aaagtatcac tgaggatact gtgactgtct tggagacaac 300  
 tgtgaaattg aaaacttttt cagaacactt aacctcctac atatgttttc ttangaagat 360  
 tcttccctat cagttaaaaa gtttagaaga agaatgtgaa tcctctcttt gcacatctgc 420  
 gttaagagcc aggaatctag agctgtccca agacatgaaa aaaatgacag ctgtgtttga 480  
 gaagctgcag acttacatag ctcttcttgc cttgccaaagt acctcgggcg cgaccacgct 540  
 aatcactagt 550

<210> 8217  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, T, C or G

<400> 8217  
 gctgggcacg taaggtnacg ttggtgaata tctctaactc acggcatngt atatgcaggt 60  
 attttcggtta ccaaggacaa ggttctaagt catactatta aaggctaata aaattcaaaa 120  
 atggttttaa gaattcgaac attttgaatg acgcagaggg ct 162

<210> 8218  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> n = A, T, C or G

<400> 8218  
 ggnccgagtc aagcctgcgt atcagaatct gagacagcgt gttgacaact ttgttgcaaa 60  
 tcacttggca actcacacat ggagtcgcga tctcaataag aaccagctaa gaaacaacat 120  
 tagacaacaa gtccctcaaat cangaatgtt ggagtcctgg attgaccgaa ttattttctca 180  
 ngttgtggac ccaaagatca accacacatt cagacctcag gtagagaaag ctgtgcatga 240  
 gtttttggcc acgctaaatc acaaangaga angaagtggc aacacagctc ccgatgatga 300  
 gaaaccaggc acttcctta ttacacaaag tgttcctact cctgggcccc gtgctaattgt 360  
 agccaatgat gccatgtcga tattggaaac cataacttct cttaaccaag aagccagtgc 420  
 tgctanggct tcaacagaaa catcaaatgc caagaccagt gagagagcgt caaaaaaact 480  
 tacatctcat ccaaccactg atactaataa ccctgccggc ggggggtgga 530

<210> 8219  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8219  
 gtccggggat gcacgcatga tggctggtgg tggatatgtg aaaggataaa ccacagccaa 60  
 atgaaaacac tattgatata ggttatggcg acgctgatat aagtaaagac agacagcagg 120  
 gcacatgaca cgacatacac acagcatgga cggcaagcag gaatacagat ctgattactg 180  
 agatgtgcca ttattgatgt caagaagggt cacatgatac agtgtatgag tgaaggctctc 240  
 at 242

<210> 8220  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8220  
 acatgatata agagaaatgt tcctatggta tatatgaact cctaacta tgatcgtttt 60  
 ttttttttta aatgtgggta ttggtgtgtt ttattttttg ctgtttactt cttaactgaa 120  
 gacttggtgc gttgtaaaac tgtttaataa aatatatggc attaacttgt atttacaaaa 180  
 aaataaaaga caggctttac actatttcta gggggacact atttcgggaa tgttatgtaa 240  
 aactctctat ctagccattg ggaccgatat cagttgattg ggtatcgtct 290

<210> 8221  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8221  
 aacaactcca ggtgcaagtg aacaggaata aaaatgccat cgtttttact aatgaatttc 60  
 acaaacatat ataagcgaaa taacaatggc agatgcctcc actgtacttg agcaagtcac 120  
 cactgatctg tttggagaaa ttagtggtga tgtegggtgt ggctgtggcc tgtttctgtc 180  
 tgattgtgaa ataggtaggc ctggttatgt actggtgtgt aactccaggt aacggcatat 240  
 tt 242

<210> 8222  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8222  
 gttttatgct tgtgggtttt ttttttctct gatctaggta ttaactacca aataattcaa 60  
 aacaccaaag aaatcatttg aatgggagaa ggagaaacag gttgaagcac tgacaatttt 120  
 tgcaagtgag aattcaagga ctgtattgta gccacagtta tgtacattat ctacgaac 178

<210> 8223  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8223  
 cactatattg gccaggcttg gatatatgaa acttgtgtca cttaaaacta aggcggtgtg 60  
 tgatattaaa agaggctctt tacatctgtg ttagctggct tgagaactcg caactttgac 120  
 tatcttgaat gtgctgctgg atggatggcc tttgctctga ttaggatccc catggtgaac 180  
 cctgtgcca cagatggatc cggatgcagt gcacttgtcg ttaatggagc tcgtctgaat 240  
 gcataggaga tgtggttcac acaacagtgc aagaaacctc cggcctagggt gaggggaatc 300  
 cacttgcca cagtgtctc tatctcacac cttgtctga cgactgcaca gcat 354

<210> 8224  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(450)  
 <223> n = A, T, C, or G

<400> 8224  
 gttccagcac tgaggaaga ctcagtctct gccatcacat acacctcatc actaagaaga 60  
 gacacatgaa ataattacca tccagtgtga taagtgtct gacagaggat ggagtgagga 120  
 ctagtcacct tggggaagac agagaagcaa ggtccacca agagatgaga agccagcctc 180

cangagtgcg ctatctgaga gggcaagaga aagaaggcaa aggagacggg tccatacttg 240  
 aacaacttga aataacttgt ctgcatttca agaacaacct accacagacc ttacctgtca 300  
 ccttggtctc cccacccaat ggagatggct ctaatgggtg cacaaaccan ggaagggaaa 360  
 tctgtggttt aaattcttta tgcctcatcc tctgagtgtc gaaaggctgc tgnagctgt 420  
 atgctgttaa tgctaattgg gatagggggg 450

<210> 8225  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8225  
 aggggtagga agtgaggtgt atggatatgg aaatgtaatg aggtggtaag taataggaaa 60  
 tttaaagggg aaggtgaaat gagttaggat gtttgtggat gagaagaatg ttatagatat 120  
 ttatgatttg tagtgggaag ttattgtatt gttatattaa tttataata gttatggg 178

<210> 8226  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8226  
 ggtggcggag cttgaggtaa tgggtgaagg gtttgtgtgt ctttgagaga tagagattaa 60  
 tacatctatt tataaaatat aatcaattag ttaatatat attgattaat gttaagtttg 120  
 ttacgtaatt tttgtttatt atgattttat tagaatatat gaaaacttat aagattataa 180  
 tgaagaatga aaagatttaa gggtattaca tgatgacggg agttgtgatg agtctttttc 240  
 atggaatgga agatgtattg aaaagtaata ttgagagaaa ggactgcaga gacaagaatt 300  
 aataccaata ggaaggcagt gctttgaaat tataatgaat gtgagtgaat gagcttaaag 360  
 tataattgaa gagttgttag tgattaaaat aattagaagg cgatcgtttg tgatgagatt 420  
 taatcgaaag tgattattag aaattgaaaa tacgtgaaga gtggtgtatt gagtttggtta 480  
 aaacgttaag ttaacgcatt ttagttataa gcta 514

<210> 8227  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8227  
 ggctcgctgg acgcgcaggt tactatgggt acttaatgta attctaagt actacattta 60  
 taaattttgg ctatatgaat gtatcatcaa tggaaatcgc atatctgtca aggatctgct 120  
 ctttgctaag gaaaagtggg agagcaatgg aacgagcgt tg 162

<210> 8228  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8228  
 caggtaccgg agttggatcc ggctgctagc tacacggagt gtagggacac tcaaggctct 60  
 tacatgcggg aaccgagcac atcatcatgc tgggtacttt ctggccacat cggagactct 120  
 gacaattact tgatgctatg atctgactga agacatgaag taagagggtca ctgtgactaa 180  
 atatccagaa gcctggaagg agggggccggg agctctcaag aatggggggac aagatggcca 240  
 catgagggca gctctgtgcc atatcggcac aaggcgggaag aaagaccaag 290

<210> 8229  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8229  
 aggtacataa aaacgctgct gggtagaggt cctgtggtga cagagtcaaa agactgcaat 60  
 gttgatgtca cccggtgaac tcctggtttg tgagagtga tcgggattca atatcatgga 120  
 ccttaatgga gtaattggaa gacctcaata aggaaaccat tgagcctatg gaaggttt 178

<210> 8230  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8230  
 acaatatggt tcgttctttt atatcgaaaa aagtgtact taaaaaaagt ttatttatcg 60  
 tataaaaata agtcttttac atctgttggt agctggtagt gaaaacttga aagactcaga 120  
 ctcaagtgga aacaggatga atggtccac ctgcctttc cgtttgggag agggatcttg 180  
 agggctggga cccctctgcg tcacagtagg ttgagtgcgt tgctggggca gcaggtttct 240  
 aaaatttttg ccttcaaggc aaagccatag caggggatgg ggtttcagca caaccagtgg 300  
 caagaaaaga ctagggggcc tcggctgatg ggaaatccac cttgtgcacc agcggttcct 360  
 cacaactcaa 370

<210> 8231  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8231  
 ttctagggta aaggaaatat cataaaaact aaatataagc agaagctcaa gggatctatg 60

tatgaaagtg ctgggagaat aaaagttatg gaagaggagg aaattctgaa tcaaacacag 120

attctttggt ttctgggcag gattataagt gtgtatagag tgggaagaag ctcatatg 178

<210> 8232

<211> 210

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(210)

<223> n = A, T, C or G

<400> 8232

tatggntcag ntcttttata tcgcaaaaag gtgtaactta acaaaaaggt taatttatcc 60

gtattaaaaa aaagntcttt ttacatcctg ntgnttaggc tgggtggtgt aaaaacttgn 120

aagcaactca gcacctcaga tgggtaaaca gnatggaatg gttccaccct cgtcttttcc 180

ttttggcagc aggatcgttg nagggctggc 210

<210> 8233

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(194)

<223> n = A, T, C or G

<400> 8233

atactcggnn ggnatggngg nctccatccg gncctcgcg tccaccttcc atcagatgtg 60

gtatcancaa gacagnagta ggacgagtcg ggcaccttcc atcgtccacc gcaaagtctt 120

ctaggcggha cgtatgactt aagttgcgtt tacacacctt ttcttggaca aaaacctaac 180

tttgtcgagc naat 194

<210> 8234

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(242)

<223> n = A, T, C or G

<400> 8234

tcggagtctg ntacgcaggt aaaatacgna ccagtaaaa ttgtcaatag ccagtgtctt 60

gtaattgttt tggtttcggn ttgttttcta ttagtactta tggtcagtct ccggctgtat 120  
 tgcatacctc ctgcatgcgt aggtaattac ggtatgtgtt ttagtggagc tgggtacttt 180  
 ctaggggatt ttagtcgggg gtgtatgtcc tttgttgggg gctcagctgc tcctccctag 240  
 tt 242

<210> 8235  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)..(242)  
 <223> n = A, T, C or G

<400> 8235  
 ggtacaagag agtcatggaa agtatttgaa cttgaactta atagcgatat tattaatgtg 60  
 tgtgtggcgc acaatcttgg cctcaaaagg tcatggataa cctgagcatg ctcttattac 120  
 ataactgggt agacaatacg accgttcata tacactgctt gctgtatcca cggaaagcac 180  
 acctgtcgca caatgctctg aaacagctac ttcacgttgt gctggacagc tgaangtg 240  
 tc 242

<210> 8236  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8236  
 agtacaatta tatggcccca gggatattgc ggagggatgg gtttaaaaaa gtctttcgga 60  
 tataagaaag aacataggat gaaatgagtg gtggagaaag ggttacctat agaagactaa 120  
 ttattcaaat acttctctta tctatagtat agtatattca ta 162

<210> 8237  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8237  
 gtgtacaggc tggacacgat gatggatcac aggcgctgga tccacgtgta agccaggacg 60  
 ctccagaacag gcttggcgag ggcgtggatg tgctcgcgat gtacgacaag caccaggact 120  
 cagagtgc ataatcagcgtg cagacacatc gcacagtgc tgcctccgga gtggagtagg 180  
 actgccacat atgggagatc aaagatggca ctgaagtaag cgaaca 226

<210> 8238

<211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8238  
 gagtatttgg ggaacacatg tctaataaat gccatccttg agtctctcat aatcattgat 60  
 cagtcattgct gttatctcat gcaactgccc gccgaggtag ctaagaatgg gttaacagcg 120  
 agcagggcag acataccatg cctggatcca atgggataac aatgtttatt tggcagacta 180  
 attttactaa gata 194

<210> 8239  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8239  
 gtataaaaaa ttggagatgt aggggggttg agttgatgta ttattatttg attttatatt 60  
 ataataattct atttgggtgt atataaattg atggggaggt gttttttaa tatttaaatt 120  
 taggtttgga ttgattatgt ttatttgtga gttgtgatta tttttgagtt gtgaagtttt 180  
 gtaatatatta gtggtggaga tgggtgtttg gtatgtgaat attagcttgt gtgggataag 240  
 gtggagaatg tggttgta 258

<210> 8240  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8240  
 caaccttttt tttttttttt tttttttttt ttttggtttt taaggggggg gggccacaat 60  
 ggtaaaaaag gaccttgga aacagggaac gaaaaaatg gttttaacaa aatttgggaa 120  
 ccaaagtaaa atgggataat ggggggttggg aagaagggaa ttggtttggt gggagccggc 180  
 tttgggctcc caattccttt tttttgtcct ttggctgggg ttagggaaag gggggaggca 240  
 aagggcaaag ctccaccctt ggtattaaa aaacggcaga acaaacatgt 290

<210> 8241  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> n = A, C, T or G

<400> 8241  
 acatagatta tctgggcgtg gtggtctgtg tctgtgtaat accagctact tgtnaagtgt 60



agggtgggatg atcaactgat ccaaggagga caaatagggtg acaatgagct gtgatattaa 120  
 cactgaaatg caaccggagc tgcattgtgaa cctgggttgaa tatacataaa taaagattgc 180  
 tgcaccattg gatgaagata ggtgatttca tatatgactt gcggccagat gcagtaggaa 240  
 acatatatct gtgacacgat tctacggaga tgactggagg gagagtacgt 290

<210> 8242  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8242  
 tactgtgttg aacttcatta ttcaatgtca ttctatgtca taataacaga aaaccctata 60  
 caatcagagt tgctcaatac tggaccttca tgcaatacta ggaaccgtta cgctgggtgca 120  
 ttgatacacg cacaccatac gagtcacaat gccaaatgga aa 162

<210> 8243  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8243  
 gggaccgcag ggtgcactac aacctacgaa ctacgcgcac caccaactac caccagctgg 60  
 tcgaacagac gcaagtatca tcacaagcat ggtatacaac actgctcctg cgcacgaaca 120  
 cctctggagg gacaccatgc tgtatgctgc taggctagtc tagtatcctg ggatattcaa 180  
 tccacttaat ctgagttatt tagcaagtcc 210

<210> 8244  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8244  
 tactcactat cggtgctgga atcagtttca tagaatgact agctaatagc tgcagggtggc 60  
 tataaaagaa aggaatgtgc aacaaaggaa atgaatgatg tatatctaca tatgataaca 120  
 ctgacagctt gtgtaggtac catggagAAC agccgaatag gctgatgtga agatgggtctg 180  
 tgtagggcta aaatgactaa gtaatgtgta ttgtcaaggt atgttccaat acagtataac 240  
 ag 242

<210> 8245  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8245

gtacacagga tatagacaat aggaaaataa tacctcggtc attaacaaca catatagaag 60  
gacaccagct gtatcgtgct ggctatcacc tacctgtata taattactta tctggtataa 120  
gctgacaaca tagaccttaa gtgtagggtgg gcaatgatgc taggaatctg tggaaggt 178

<210> 8246  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8246  
gtctggacaa ttcactgagc tcgttctctc tctctctctc tgtgtgtgtg tgtgtgtgtg 60  
tgtgtgtgtg tgtgtgtgta tctggcttta tgttgcatte tttccattg ggccactgtt 120  
ctgtgccaac atgcaacgca ataatctgtt acccacatcc ag 162

<210> 8247  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 8247  
tacatgatgg aaaggaagaa tggacgacga tgcacgacgc tgatgaaggc acagataatg 60  
acgaggacga agtgggggga cgaacgaggg agatggatgg tcactagaat agtatgaccc 120  
ctgtgggtggg cgaacgagcg agattgacag acatcacagc cgcagtgcact ctgcagtggc 180  
aacagatgga ggctcaacag cattaaccac gccaaagcctc gggcatgtac cagccggagg 240  
tgactcaggt gcataagaca gccacagtt gaggcgatga cgtgggggaa gagcacaagc 300  
gagaaa 306

<210> 8248  
<211> 600  
<212> DNA  
<213> Homo sapiens

<400> 8248  
gccggtacca taaagaaagt aggattaaaa tctaaaaaga ccccaaagc ttttcaaaac 60  
ctgatctgag aattagataa gaatatgtca cttagaaaga caagcctgta gcacccatag 120  
ctctgattaa cctgaaagca tcaagtgact ccctcttttt ccaccctacc aacatcactc 180  
taattatact tccaattaga aaaataatgt agcatttccc tggcagtaga gattaaatat 240  
gagttcagga atcagctcct ccaaacatgc ataaatgagg acaaggagaa gccagtcact 300  
cctgactgca cgggtcaagtg tgtgggcagt tgaaattaag gtaaaaacag tgaggctgaa 360  
caaaatcaca ttaagaaaaa gcatctcatg aggcttttcg aggtcagttg atgaaggcca 420  
gataggagtc aatattttct catatacccc agctgttacc actattcata ttccaacagc 480

ctccagattg ctcgaggcca cctggttgac ttttaccttg gagtcggtcc agaaaagcat 540  
tatttaccct tgtgatattg tcctcacagt acctcggccg cgaccacgct aatcactagt 600

<210> 8249  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 8249  
caggtaccac tatttggttg agatattgca cagtggaaaa tgacataatc atggatatgc 60  
tatggtgtac gctgtatata cagttgaaaa ctatggagtt cgaaatgttg ggggagaatg 120  
tgatatgaga aaaaagatat acatgtggta agaacctcta acaagggtta tgtgcatgcg 180  
cgaaggctca tgaaagatca gtgtgtaaat tggcttatag cttatacaaa aaaaaaaga 240  
aataaaaaaa aaaatgacct cggatcgcca ccgcgcta cactatgtga attgacggcc 300  
gcctgcgcga tccaccatat gggcatagct accaacgcgc aggatgcata gattgagtat 360  
tctatagtgt aacctggata gggtggcgta aatgtggtcg tatgctgtgg ctgagagaca 420  
attgtatcca ctcc 434

<210> 8250  
<211> 258  
<212> DNA  
<213> Homo sapiens

<400> 8250  
ggacgagctc cagtatattt cgtagataag gcacagatga aaatgacata gtcattccatt 60  
gctatgagtg taagcagtct gtacaatgaa aactatggat gttaaatgat gaggaaaatg 120  
ccatgcgaga aagagagaca tgtgaaacta acagctgaca aaggtaatgt gcatgaccga 180  
ggatgatggga gacttcaggg tgtatattac cttctacata atagaaaaca aaagaaagga 240  
aaaaaaacaa atacttgg 258

<210> 8251  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 8251  
gcaggtgcaa gggcatggtg ctgagggggc agggggaggc tgaggcagcc gaaaacgcat 60  
tatttttctc tttgaatgat aaagataaat acaactacat atacaatata aacattagga 120  
aactgagaca aagataatgg ttaaggttat aacgtaatcg taatagcaaa agattataat 180  
agaaaaaaag aatacgaaga ctagtaacat gaggaaggag aaggaaaaga gaaaatgaaa 240  
catgaccgtg gctgaggtga agatgattca tggagaagga aatgtatatg aaagaaaatt 300

gagagagagg aatacggaga cacgaaccaa taccaataca agggcaatgg ttttgcatta 360  
 agatgaaggt gacggagaca gataaaggct aagtttaaaa gtggaagttg atgaaaataa 420  
 tagtaagggg atgt 434

<210> 8252  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8252  
 cgtaggtacg gccctcccc tgtatgcctc ttcgtggcag taagcatgga atattgtaaa 60  
 tggtaggact ccagtaattc cttccagtgg ctctactatc aggctaggct caggtataac 120  
 ccaggttatg gcatattcgt aggtagctgc tctctatgct tc 162

<210> 8253  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(546)  
 <223> n = A, T, C or G

<400> 8253  
 ggcaggtgaa ggacctgttt atctctgatt tctggagttc agcnactaga aaccatcaat 60  
 agatgtctca caaaacatct ggaacaactg aagaccctg tggggactct ttcagacatc 120  
 tttggaacc tgcattctga ctcatcgcca gaggagtcag atgtggccac tgattctatc 180  
 ccaagagaga tcttggtcac aggaacctgc catttgaagt gtgtgtgtta cggcattggg 240  
 aactttgcca cctgcatcgt agctagaaac cagctaactg ttttgctgct tttgttgga 300  
 aagtgccaga ttcccagaag tcaactgttg gtatatgacc ctctgtttag ccaacttgaa 360  
 attgaagtcc ttaacacct tgggtgtgact gttctcagtg agaacgagga agggaaacgg 420  
 agtattcgcg gggagcccta ccattcttta catgctccat tgtgggacgg ccttgtaact 480  
 ogggcgcgac cagcctatc actaggggaat tccccggggc ctggcggtcg gaccatttgg 540  
 ggagag 546

<210> 8254  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)

<223> n = A, T, C or G

<400> 8254

```
ccnggggtgta acatgccata ccatgaccca taacaggggc catgcacacc catcagtgag      60
gaccttcggc ctagccatgg gacttcagtc taactatgtg acgctactca tactaggtat      120
agtaactaac acaatgacta tataccaatg aagacacgat gtaacactga agagcagatg      180
ccaaaggcac aagacaacac cagtgcacaa aggcaccaga tgcgggataa tgctatcgat      240
tacgtgagat gttatttatt tcgcaagatg tttctgagtc tgtagcact ccatgatagt      300
ctctacactc caaccaagag ggcaactggc aactacgagg gtaacggcgc tcaacacgct      360
agaagccgca ctactaaaca catgcgcaac acttgcataa agaggatcaa ccagcagagc      420
gaaccatagt caaatgagaa aaacacgaaa ccatacaata caagcgctgc ttaacacaat      480
aagaccgggt cattacaata ccaactgtgca tgcacatag cctcccgaca      530
```

<210> 8255

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8255

```
cgggcaggta ctcacgtg cgtgacactca agcctgactt aacacagtgc atgtcatctg      60
atctacaaga agatacagaa ctggaaatga aaagacatgt ggcggactat cgggcaatgg      120
tggaattgca taacgaacct gtctagttag tctagcgtga tgctccataa tgatgcacac      180
ttggtgcatc atagaggtgt aagcaggaac caagaaccag ccagcagtgt ctacactttg      240
tgattggaca cttgggcccgg ggaacacgcc tcta      274
```

<210> 8256

<211> 418

<212> DNA

<213> Homo sapiens

<400> 8256

```
agcccccccc cccccccacc ccggcccccc aaaccaccaa atgaagggca cgggaggagg      60
acacacaaca cgcccagaca cacagcacag caggggcccgc gaaacggaga caaccccccc      120
cccacggccc cgagaagaaa aacaccacgc cccccccac gaacaccacc aaaaaaaaaac      180
aaacccccca caacaccccc cgggaccac agcccaagag aaccaccgg agaaccaaca      240
accgggggga ggcggaggca ggccccgggg agcagggagg aaagcggaca gccagggggag      300
gccgcgacac ccccgcccc gccgggaaag gcaggcggcg gcaagcagca acaaggggac      360
agaagggggg gcaggagcgg ccgggagccc ccagcaaaa ccaaccacaa attccggg      418
```

<210> 8257  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8257  
 ggtaatatga tgaataataa agatgatgca aacacagaac atacttagtc agacatagat 60  
 gagtacagat agatgttgag gtggctgggg agtcctgagt ggggatgttg gagaatggga 120  
 atacgaaaca gcatgctcta ataatggaca cactgggaga gatgcaacta agggttacag 180  
 actgcaagat gagacaacaa tgagccagcg tacacacaaa agatataaga ggaacacgct 240  
 acagaaatca agcaataaga tgaaaaagat aggggtacaaa ccacacacat taacaaaagt 300  
 ggctacaact gggaggaatg gagacaagag gctgtatctg ggtgctaagg tgacaagatg 360  
 caaggagagg gaagtcacat gcaatgatgg aaaggacaga gagaccacgc tgatggtggc 420  
 tatggactgg gtaccacat gatcgtagct 450

<210> 8258  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8258  
 ggggacagga tacggaggag aactcaatag catggtcact ggtgtaaatt ctgcattgta 60  
 gatacacgaa gcagccttta cctattactg gagcctgcct tcactaacia taaatgaaaa 120  
 agctgctatg cacttctaca gcaggctctg ggattgtcat at 162

<210> 8259  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8259  
 gtaccattgg tggccaattg atttggtggg aaggaggga tcgttgaact tatttgatat 60  
 ggaccggtag cgtagggctg gggacgggga cgaggagcac gatgtaggta gggacgatac 120  
 atcataccgc ttctatttgc tgcacgactg accatgatag tactagccaa gtgatggg 178

<210> 8260  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<400> 8260  
 aggtacacct aagttcacat gaagttgttt cttcccaggc cctaaagagc aagcctaact 60  
 caagccattg gcacacaggc attagacaga aagctggaag ttgaaatggg aagtgaaact 120  
 gtatccaagt aagcaggtaa ctgggcaaac ttcctacggc acaaattggc ttttagttac 180

ctcctagtagc tgaatgcatt aaataaatgg cggattcttg tcttggtatg attaataaga 240  
aagtttgtaa atgcagcctg gatgatgata agcaaatgct gactgaacat gaaggctcta 300  
attagctcta actgactaaa ggcatttggt agttttggca ggggatgaac actcatctgt 360  
ggctattcta agaccactct tattttcttat gtggagtcca acttgcctgg accagcttaa 420  
tggttctggt aagttttaat gaaaacagta gatagactta atgaaaatgc tgatggtgat 480  
atgcttactg ctgagcta at ggcttaaagc ttggtgatg aatactgact gtattttcct 540  
tgagcatgtg tggaacagcg gttatgtgtt ctccttgacc gtggttggga cggg 594

<210> 8261  
<211> 674  
<212> DNA  
<213> Homo sapiens

<400> 8261  
gtaccttgag aggtgtcgtt aactttcctt gttaacgaaa acagtatatc acattttcct 60  
gctgattaaa gttattaatt cagagactga aggggctgga cttgctacct gtatagaact 120  
gtgtgtaaaag gctcttcgct tggagtctac agaaaatact gaagtgaaaa tatctatttg 180  
catgaccatt ttatgtttgt tgctgatga tctggaagtg taaacgtgct tgtcaactga 240  
gtgaatatat tattgagtct acagtagatg cgtattatgc tgtggaaatg ttgtataatc 300  
agacagacca gatatatgat gaagagaatc ttcctatacc aaattcttta cgctgtgagc 360  
tggtacttgt attgaaaact cattggccct ttgatctaga attctgggat tggaaaatct 420  
tgaaacgaca atgtcttgca ttaatgggag aagtagcata catttgtgtct tcaataggat 480  
gaactaaatg acagtgagga tatgaaaaag tggtagacta ccaagaagag agtaaagaaa 540  
cttctatgaa tgggctttct ggtggagtgg tgctaatttt ggccttctta aggacttggt 600  
gatgaaaaga caaaaaaaga gaaagataaa acaagtaaaa aaaaaaggga ttaatatgtg 660  
cttgattat gtat 674

<210> 8262  
<211> 324  
<212> DNA  
<213> Homo sapiens

<400> 8262  
ggtgaccatg tgagatgtgg attaccatga gcaaacacg acgaatgagg acacctctga 60  
aatatataca aagcaacata ctgatgattg tgataacgtg ccgtaaatgt aactgatctc 120  
tctgtcacca atgacgacag aggaggcata taacacaaat ggcaaataag ggtctaggac 180  
tgaggatcc agatgagact gaatgaatgc tataaataat cgggtggctac caccgatatg 240  
aatagagaat cttcgtgcga ttagctggtt aacaatattg gataaccttc atacgcatag 300

gaaggatatg tagtaaatta tatt

324

&lt;210&gt; 8263

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8263

aagcttggtta ttttagttttt tttttttttt tgtgggttta gagtggctca ggggggcgtt 60

aagggtgtgcc agactgtacg cgcatagttc agaaaaaagg ggcttgaatt tcatgtgcaa 120

cttgggatgg ggggaaaggg ggacgtttga gaaggagggg aaacaggggg ggaatatttt 180

tcaaataaac ctta 194

&lt;210&gt; 8264

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8264

attggggcaa tctcaaaagt agtaaaattt tttttgtctt ttggttaac tctacagtca 60

cagcagacca agtttcagct tacatttaac aggcagaagg ggagaaaaaa aattgacagg 120

aatgaaagtg cgtaagaaca tcacccttag aaatcaatta caaggtactt acatggaagt 180

agaaaacccat ctct 194

&lt;210&gt; 8265

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8265

ataggccggg cctggaggcg catgcctgtg gtgccacctg cttaggatgc tgaggccaga 60

taaagtattg agcctgtgag gcggaggatg gggatacatt gttgattagc tagatgagct 120

tgaaaatata gagataaaca agatcctaga gtgcataag ttggcatgag aaatggaatt 180

tgtttggtgg atgaatctga aacataatgt tagtgacagt aaaaag 226

&lt;210&gt; 8266

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8266

aatctatgac tgcatacagt tactaataca aatattaatt acaccacact ttggaagtat 60

aaaaatggta aggtaatggt gtgtaattga gaggatgaga tgagaggata gtttaggccg 120

tgtcttgctg cttacatgaa agaagacttg taacaatgaa tt 162



<210> 8267  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8267  
 tgatcagaac acatcagatt agctacagtg ttgggattat ggggtgtgatc tattgctgac 60  
 ggattgtgat attgtttgtg tcattatttg gtcactttga tatcgtagat tattattgtg 120  
 ttgtgttaat atagtataat atgtgtattc aatcacaaat taaaagacaa tatagttgtt 180  
 atcatcaaca gggaatgatg aggaaggagt gtaaggagag atcagagact gcaagagaat 240  
 aagtgcagag aagccagcag agataattat atatgtatta tataagtatc agtgtatgtc 300  
 gtgggttttca tattgctagg tagattcata aaattgagat ctctgtgata ctatagggta 360  
 tatatgttca acttgatatg aaactgtgat gtgttttcca cagcggatga tacggccc 418

<210> 8268  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 8268  
 cgggtatatt catagttaag tgataggtag aattaaaaat tcatggcatg tgattaaata 60  
 tctatcgaca catgctctgt ttattatgta attctgatat cttgaactag gatgtggatg 120  
 tggattgtgg tctgataggat atctattgga tactactacc aggttgagtt gttcatgatt 180  
 gacatggaaa actaccaatt gttataacat ataataatca tctatactta catatgggat 240  
 ggttcattag ggtcgacagg tgtgtgcagt gtcccatggt agtaatctga cttaatgtga 300  
 aatttatgac ccccccttgg tgctcctatg tgggttagtg atctattata ttttctttct 360  
 gtttggtctt tctctttttt ctgtgttata accgttgtgc ggtctggaga atagtgacta 420  
 ttttgtgtct gttt 434

<210> 8269  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8269  
 ggtctaattc tctcttttgg aatgtagatt ttttttttac catgctttac gatgtaaaat 60  
 atttatgttt tattgattcc tggatatctg gctgagggat tatacatgga acaggaagat 120  
 gcgtggtgac tattcttgtc ggtgatgttg agagtctctc gtgactgtca tattgtagtg 180  
 gtagatcata tattcactct ggtaggcgt gacttttagg cttagttcag actgtgtggg 240  
 cggcgctcta gatgacttgt gtctgcgcgt ctgtctggag gacagcacta tgggatagat 300

cctaatt

306

&lt;210&gt; 8270

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8270

tgtatatattct agaagctgat aattccagtt ctggcgaact aggaagatta gagcaagatt 60

ctcaatcagc gtatgatctt cggagagggtg tgggaatgtg ttatataaca ttcattcttc 120

gggtgtgctct tggactaatc aacttatctt ccataagatg tggttatggg ttctgtatta 180

gtggtggagg tgggatgaga cgcacttaat catgatgagg attaathtag atattgggtg 240

tgatagtgtc ttgagaattg ttaagcacta ttatgtaata gctatttgat 290

&lt;210&gt; 8271

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8271

gaggctgtca atggtgttag agaaatgagg gctccctaaa acaatttctt tatgtatatg 60

ttagtcaaaa gttatcatgc tgtgactata gttatagcga tgaagatgaa gaaaaggcag 120

atgctttgat cagtttactc atacaggaag ggatagacat aagtgcctc ttcatgcc 178

&lt;210&gt; 8272

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8272

cggagggata agaaggtaag taagataatg taaaataaaa ataagtgatc aaaaaacatg 60

taaaaaaaca aatatattta gagaacataa gttatgttct tgttggtgtg gtggagggtg 120

ggagttggtg aggtggtttc atcgtcaaac gaaacagcac gaaataataa agaagaaaat 180

acaccaaaaa acaa 194

&lt;210&gt; 8273

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8273

ttgatcgaga agatgagaat gtggcttggtg atttaciaag aatattaggc ttatagtctc 60

agtaacataa tgatcatttg aaaggatat gaatgtgttg gataacagtt tacatttgag 120

tgtgtctctc tataacatga ttgatctacc ctaatattat gattatgtat ataaggattg 180

ggacatgtgg atcagggtgc cggatttgat ggtgacgatg atatgtgatt atgggtgtga 240

gagtgaatat tgaaatgg

258

&lt;210&gt; 8274

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8274

aggtactagg aaaaggcctg gctgccatcc atcgctgcct ctgaggggtgg agaaggagggc 60

gggtgatgtg ctcaacttctg atcaacatgt gttgcctcct ctcaagccaac ttctagctca 120

ctgcactcac tctggatcatg ataaatgttc gtcacctttc tgcttcattc cttagggcct 180

aaatcaggaa gctgttttat cgatgggttc cttttgggtc agtaaccagc tttggataat 240

ttcctctgat tattcaagtc gtgggacagg taaactacat tcagcaggaa cttttctcga 300

ggagtgttat gtcattgaaa agacacccaa cacagcaagt attttaatga atacaccatc 360

ccaggggggt cagtaagtc tgctggcaa gaagacacag tgagaggggt ccacagttcc 420

tgatgaggggt ggggtgtgggt acttgttagac cctaactatgg gcaggtctgg gtcaccttta 480

gaaactctca gagaaact 498

&lt;210&gt; 8275

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8275

ggtacatata atacagtctg tcaagagaac tactgggttaa ccaggaaaac ttggcatgat 60

tctcagcgat attgtgttct actgaaagggt acaggaatgc atcagataaa atataaagtg 120

tgatgtgctc ttgcgacagc gtcacgcatg tgccctaaga tttagtgtgtc tggatccgaa 180

aagagggcgg tgtggcatta ggctcctgta ggcagtatga ggatgatatc aaatcatggg 240

tgtgaacctt ggctgctg 258

&lt;210&gt; 8276

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8276

gccgccccgc ggccagggtg caatgacacc tttggggaag gaaaagaaaag actaccgttc 60

tcacccctctg accatttgggt attagcctgg ctgcctcaa aaacttccca cgctccctc 120

ccctgcgcca ccctcctaaa gatgacctgg atactacgggt gcctgcccc accccagtta 180

gcctccccct actccctggg cctacggagc gcgcacaggg cgcatgtacc tccctaagaaa 240

tt 242

<210> 8277  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, T, C or G

<400> 8277  
 tatattaata tntgaatgtc gttgtgattc ttatgggtact gtgatatatg ctatagaaaag 60  
 atggattgga gggtttgaat aggttatggg atagtcagga gagatagaaa tgggtgatgg 120  
 gaaatggctg tggatatgata tgatatgtta ttctgatctt ca 162

<210> 8278  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(402)  
 <223> n = A, T, C or G

<400> 8278  
 atcatgaaat atactctatc cctcttctgc ttaatataga tctgatctca tactgactta 60  
 gaatacaatg atatatgtag tgtgtgagtc gtgcagtggc aaggtcagga atgatagtga 120  
 tataggatat agtcttctgc tggtgacggg atattgagtt tctattatct aacttagtgt 180  
 cacaatcttg aagaagtga tagtttgaat cagaccagtt atcattcttg atggaggaaa 240  
 agggatgatg anggtgggtg aacagcatct cctttgctgc ctctctgcct ccactatcct 300  
 gtcccatga ggagcggaag aaccgttatg actgatgagt ggttcactgc atccctttct 360  
 cctggcgtgg tcttggctct agctgcactc tttaggggca ga 402

<210> 8279  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8279  
 tgtattgaag taccaaactc attgatgttt ggtgctgata aagaatgtag actgtagaga 60  
 ctagcagtaa ttacttgctc tacttaatga tgcctatgt tttattctac atgcaaaaag 120  
 aatgattgat ctctgagcat tgttaaagt tgtggcggt aattattgtg gacagatgat 180  
 tcttgatttt gagtctatac agatgtgcat tattgctgtg gaaaggcacg aggcagctgt 240

gtagctctta taaataagga tcaaatatta gctt 274

<210> 8280  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8280  
 gtgatgaagt taaaattatt gagggggtgc agaataagag tgtatacagt agagaataga 60  
 agtaataata tgggtctactt aatgatgtcc tatgtaatat tcgacaggca aaaagaatga 120  
 ttgatcaccg agggatgata aatgttgtgg gcggaatta tagtggacat atgattcttg 180  
 aattagagtt atgg 194

<210> 8281  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8281  
 tttggatgta ggacaactca tttgagaatg gtatgatgaa tggattgaat ctactgggtg 60  
 ataaatatgc atacaagtga ccagctactt ggcgtcaatt caaaatacta ttgataatat 120  
 aacaaatccc aagatggcat ggtacagaaa agtggatgat gtgcatactt aatgttca 178

<210> 8282  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8282  
 cacagcagag ggcaagcggg cagcaggaag agacaaaaga cacaaaacaa gaaacacgaa 60  
 accaaaaaca acggccaaac gcaacacaac acaccaacac aacaacacac acacacacaa 120  
 aaacaacaca acgcaacaaa caaacaacaa caggacacag gc 162

<210> 8283  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8283  
 gcaacacgag ccccatcac acagcaccgg ggcaaagcgc agagccggac gggcaccggg 60  
 cgaccccgcg ccccgccgca gcaaaaacaa ccaaacacgg gcaaaaggag accctaacaa 120  
 gccgagaagc aaaacgtcat cacacgccac cccctgcgca aaccgcggg gaggagcaca 180  
 acaagaagca ccagacgcc ccagccaacc cccagagcc ccgtaacaaa cgccagaga 240  
 gg 242

```
<220>
<221>  misc_feature
<222>  (1)..(530)
<223>  n = A, C, T or G
```

```
<210> 8285
<211> 306
<212> DNA
<213> Homo sapiens
```

```
<210> 8286
<211> 194
<212> DNA
<213> Homo sapiens
```

1249/1427

taatgaagct ccgagtagga caaaaatgct cgatgatgat gtcacttcct tctgttgcca 180  
gaactttgcg tcgt 194

<210> 8287  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 8287  
cagttgcagt agtataaatc cgaccgtgcc tggcccagca ggacccccag gtggacctgt 60  
tgacccaaac accagcatct ggggccgtgt agtacaggta ccctgtctga acgatagtgc 120  
caaaaaactg caagtaagta tgggtgggata tagaccccac cccactaaca cagtgttt 178

<210> 8288  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 8288  
tgtggtggct gtataggcaa gttctagcag ccttcttttc cgacaggtec ctttccaata 60  
ccaaccgctg gttgctcacc tgcattaacc acccccacgt gcggtctgtc ttgggggaag 120  
tggaaatggg tggagatgat ggcctgagtg ttggatggtg agaaaagggt tgtcgaggag 180  
gacgcgtagg cgta 194

<210> 8289  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 8289  
agcttttgtt tttttttttt ttttttttgg gaagggatga tgtgattttt tcttttataa 60  
catgattttt aaagacatta tgcattgggg taacattccc ttgaaagggg gcttgcaagg 120  
gttatgagcc tctagccgag ctggaatctg gaggaagagg cagagaagct tggggaaaaa 180  
gaggcagggg aggagggggg gggcataagg 210

<210> 8290  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8290  
tgggtgataa gggtagatgt attattattg tttttgattt tgatgttgtg ttttttaatg 60  
atttgattat agggaaatat tatgtaaaat aagtgtggat aacaagtatt gaatagggaa 120  
ggggatgggg attgtggggg agagagtgag ttgatagtga gt 162

<210> 8291  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8291  
 gttgtgaggg ttgggtggtg ttatttgtaa aaggggtgaa ggtgaattta gaatggactt 60  
 atttgttgtt gtgttttaga ggttaaaata atataaatga aagagtggaa gaatagtaaa 120  
 agtaaggggg aaggagggat aagggttgt ggtttggtt gt 162

<210> 8292  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8292  
 accgtttttt tttttctaga gtcagtaaata ataagcttga gttgaaagac ttacttatt 60  
 cctgctgcta caatttaatt ctctaataat aatattatat tcagagtatg gcttattaag 120  
 tacaggggccc acatattgaa ccaagttcat gcagatttgg attgaagtta atactaacc 180  
 aattacaggt tgactataac ttgactctta aatttgatat tatcttcaaa attataaata 240  
 gattacagag atttagaact gggtataatt tagtaagatt aactttgcag tgtagaatt 300  
 tttagcaaca aattttttaga atttttttag caaaaagagg aaatacacat taacaataaa 360  
 atatgctaga ctggctctgt tggtgaaca gagcatcatg tggtaaaga actgtagaaa 420  
 cgggcttacc aagggttgaa ttctaccac tgctctccgg tgatgtagct gtgttatcct 480  
 ctctgctgta ttctcgggtt ctcttaggt catt 514

<210> 8293  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8293  
 gggagcgcag ggagctgacg tctttccgtt acaaccctga gttctactct ggcattgggg 60  
 actgtgaggt acacatactc aggtccaggg atggaggggt ggtcaggac gctataggtg 120  
 accttctggt tgtatatacg ggtgtgtgct taacagccaa agtttacctg agtccgtttt 180  
 cttgggtga tgaacagatg ctgtcttgcc 210

<210> 8294  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8294  
 tctggagtcg gcaggatagc gggaacagcc actgggcttt ggggaaagga ctcgattagt 60



agatcgagag tattcgtttc tatgcattat caccagcgcg gcatgcatat gttctagggg 120  
 cagatcattt tatatatctg agttatttag gttgattcat tgcagggggtc tagttacatg 180  
 gaatgagggt agacatgagt tctgtaatta catgagagta ggtaatgggg ctttcttcag 240  
 ag 242

<210> 8295  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8295  
 gagtgagcat acattaggat agggatggat gctagtctaa gtattgtcga tgtgcttact 60  
 actacctcct gtgatcgtaa aggtgattga tatataggag tggctcttgct atgtacgtgt 120  
 atgagacaga gtggatgggtg aggttaagaa gatggacctg ttgcgcgccg ttttgcacat 180  
 ggtatagata gatgggtgatg agtgcagaat aatctgatgc ttatgtgaat gagtacgagc 240  
 tggatttgta cagccggt 258

<210> 8296  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8296  
 ggcgcaaggc agcactggtg gtgccggcat tcgagaccct gcgctaccgt ttcagcttcc 60  
 cacaattgaa ggtggagctg ttggcggttg tggatgctgg cactctctac accttcaggt 120  
 accacgagtg gtcccagagc ctgcacatct acagactatg cccgctggcg ggaggctcag 180  
 gtcccgtacc gtgtgcaatg ggccggccgc tatgaactct acgtgggtgg gccacgagac 240  
 tgtccccgct atgacccctg ctttgtgggc ttccgctgga acaaagtggc ccacattgtg 300  
 gagctggatg cccaaagaat atgagctcgt ggtgctgcc gagggcctcc gcat 354

<210> 8297  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, T, C or G

<400> 8297  
 aaaanaagta ccacctgagt cagtgagggc cacagattgg tattaatgag atacgaaggt 60  
 tggtggtggg tgggtgtgtg ctggagctaa gtggataaga atgtagtggg agtggaggta 120

agaatgggtg ggggtaaagg aagggggatg ggagggcggg gg 162

<210> 8298  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8298  
 tcaaatgtag agtagagagg gaaggggaagg agaaggtggg aagtgaaaa agaagatgaa 60  
 aggaggatat agagcagaaa aaagaaaaga tgagtatttg tgaaagggga ggaaaaaaag 120  
 aaaaaaagat tgaaaaggaa gaggatttat tgtatagaag taattgaatg aggaaaatgg 180  
 tgtgtttgtt tgatttagat ttgtatatatt tagtaaatta tagttggggg tagagaattt 240  
 gtatgatata ggatgaacaa aaaaggggta gagagagtta tatgtcataa ttctgaattt 300  
 aatttgtgtg tggagatggt aattaattat ataaaggaga aaataagttg ttaa 354

<210> 8299  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8299  
 tcagtgtatg acccgtgagg tgccctgagcg tatttgacgc gtttctgatg attctgcggg 60  
 aacagtgggtg catgtgccgc tagaccggcg agctcggcga cttgagtgat gacgacttgg 120  
 acgtggtgtc caacgacaaa gagaagtgtg agacgtagc cggacacgtc tgagccagga 180  
 gggaggtggg gttg 194

<210> 8300  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8300  
 tctggttact atgtgacctc agggagaagt tagtaagata ttgtgcatac acgttatttag 60  
 atgggcgtac aagtgcatac aagtgataaa agaaggggtga gaagagatgt ctgaatccag 120  
 aatcgaaggc gatcaagaat tactgaaagc agttgagcga ggagaggtag gtttcatgta 180  
 gccggcagaa gaatcgctat ttaggaaacg gcaaactggg agtcgg 226

<210> 8301  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(533)  
 <223> n = A, T, C or G

&lt;400&gt; 8301

tacactacac cagccgccag ctctgcccc	cagacaagac catggagttt ggccgagact	60
tccggatcaa gcactatgca ggggacgtca	cgtactccgt ggaaggcttc atcgacaaga	120
acagagattt cctcttcag gacttcaagc	ggctgctgta caacagcacg gacccactc	180
tacggggccat gtggccggac gggcagcagg	acatcacaga ggtgaccaag cgccccctga	240
cggctggcac actcttcaag aactccatgg	tggccctggg ggagaacctt gcctccaang	300
agcccttcta cgtccgtgc atcaagccca	atgaggacaa ggtagctggg aagctggatg	360
agaaccactg tcgccaccag gtcgcatacc	tggggctgct ggagaatgtg agggctccga	420
gggctggctt cgcttccgc cagccctact	ctcgattcct gtcaggtag aagatgacct	480
gtgaatacac atggcccaac cacctgctgg	gcttcgacaa ggcaggcgtg agc	533

&lt;210&gt; 8302

&lt;211&gt; 594

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8302

tcaggtagggc gtccctctt cccttgccct	tctctgcacg gtaactccgt ccctggcat	60
ttctcaatac cccttgcccc tagatccaag	cctgtctctt gaggaacaac cgcgcagacc	120
ctgcctcttc tgaccacacg acccgcttc	agccacttgg tctggctca gacccctcag	180
agcaggaagt gaatgaattg tgtcagtcgg	tgccaggagca tgtggagctg ctgggctgtg	240
gggctgggcc ccagggtgaa gccgctgtgc	gccaggccga ggatgccatc caaaatgcc	300
acttctctct cagcattctc ccattctat	atgaagctgg aagctcccca agccatcact	360
ggcagcttgg gcagaagctg gaggggcttc	tgagacaggt gggcgaggtc tggcgccagg	420
acatccagga cttcactcag ggcaaactgg	acacagcaag gagcctctgg ccacagatgc	480
tgccagggatt cagggtggagg gaggagatag	agggggctctg gcagggtggg aggggctccc	540
ggagctggtc ccagagcagg ggtgggagat	gccttgtgtt agctcaggga gatg	594

&lt;210&gt; 8303

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8303

aggaggaagg tggcgggtgt gtagcaagat	agtagagaga actatgtcct gatcctctga	60
taggaaatgt gaagacggga tgttttgatg	gggccaggag agctactgct tggtagagc	120
cccaggagga gggccaaact ctggacctca	tttctgcagt gactaatctg gatgtacg	178

<210> 8304  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8304  
 ggggtgacatg tcagatcttt gtacgtaatt aaaaatattg tggcaggaaa aaaaaaaaaa 60  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agaaaaagaa aaataagtaa 120  
 gggggccgga ggggtattcc ctttagggag ggtgaatggt tagtttgag gtgggcgg 178

<210> 8305  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<400> 8305  
 agtttcttct aaggcatcaa gagccccagg ctgaaaagca cccagagct ggagcttata 60  
 gaaccaggg cagcagggtc tccaaccttc tgacatcatc agagcacagc agacaagtta 120  
 tcagccacta gatttttttc cccctttctg aaactgtaac ctttcattcc agccattccc 180  
 cagagctgga cagaggacgt ggctggctgg ctggtttctg tagtcagaat gacagttggg 240  
 tgatagatct ccttcgtgaa gcaatgtctt agctcagtaa ctctgcagag aagctggctg 300  
 gttcaggatg tggcttatgt aagaagatgg ccctggcggt ttacgcgcac tgggtgggtga 360  
 ggctctgaaa gtggtagaag ggaattcttt cctagagttc agctgcccgc tgtcctgctc 420  
 ctgaggggaa atgctgtgag atctgcattt agcctgtgtg tgctgattgt ggttctgccg 480  
 cttcctggct gtgtgagctc agacaagtca cccacccct ctggggcagt ttcctcatct 540  
 ggagaagggg agagtgcacc acacattggg ctgggtgtgt ccatggagtg gctgacaata 600  
 accagcacac acgagacatc agtagcaggt gggttcttcc cc 642

<210> 8306  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8306  
 cgttcttcta aggcataag agccccgagg ctgaaaagca cgccagaggt ggagcttata 60  
 gaaccgaggg cagcagggtc tccaaccttc tgacatcatc agagcacagc agacaagtta 120  
 tcagccacta gatttttttc cccctttctg aaactgtaac ctttcattcc agccattccc 180  
 cagagctgga cagaggacgt ggctggctgg ctggtttctg tagtcagaat gacagttggg 240  
 tgatagatcc ccttcgtgaa gcaatgtctt agctcagtaa ctctgcagag aagctgcgtg 300  
 gttcaggatg tggcttaagt aagaagatgg gcctggcggt ttacgcgcac tgggtgggtga 360

ggctctgaaa gtggtagaag ggaattcttt tctatagttc agctggccgc tgtcctgcgc 420  
 ctcagggcaa atgctgtgag atctgttttt tagctgtctg tgctgattgt ggtgctgccc 480  
 cttcctggct gtgtgtactc cgacaagtca cccacccct ctggggcggg tttcctcatc 540  
 tggaag 546

<210> 8307  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8307  
 atgctcgatt gtgtaccatg tactggagaa aaagcatcaa gttcttaaac catgtagctt 60  
 cgtaccttag tacgcatcct ctatctgtgg aggctcaacc aattattagc cagcagacag 120  
 tatatgcatt gaaaatggcc taatgtcata taactgatgg gggtggaac aggatggccg 180  
 aggaagctgt gaggggtgat agagctggct tatcattctg tgctgtcttc atctgtccat 240  
 accgcttcca ggttgcata ctctcacagc gtgtgagtga cagtatcagg atggttgccg 300  
 gagtctcatg cgttgtgttt atgtataaag ggtgcagaga gattcactga aacagatact 360  
 aaaggataac 370

<210> 8308  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8308  
 gagtgagact ccggtggcag gaacaaaaac aaagaaaac gacacaaaa aatataaaaa 60  
 cacatcagct tgacattttg gaggcattcc cagactcagg gttagtcagc agattagcat 120  
 ttaagaagaa agtcttgtcc ctacagattg cctgacctca gctacccatg aagggtggga 180  
 agaggagtgc tgaggaagaa gtacaggaag gggacaacct cctcagacct gataggacac 240  
 tcctgtctcc accctgcctc ctgactgatt tactctcggg ggtgtgagga cctctgagat 300  
 aggcgccagg agtctcacgc gcggcactga tgtctcaagg gtgacccgag agtcgctgaa 360  
 acagatacta gaggaggggc aggtgatagg ataaagtgag aggtactgag acttgctggc 420  
 gtgggtgagc ggctccgggg gggccgaacg 450

<210> 8309  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<400> 8309  
 gccgccactg gtcgaactcc attgtcgggg ggcctctacc agccgccctt ggcgaagtcc 60

```

attgtcgggg ggcctctacc agccggccgt ggcgaactcc attgtcgggg ggcctctacc 120
agccgcccgt ggcgaactcc attgtcgggg ggcctctacc agccgcccct ggcgaactcc 180
attgtcgggg ggcctctacc agccgcccct ggcgaactcc attgtcgggg ggcctctacc 240
agccgcccct ggcgaactcc attagtgggg ggcctctacc agccgcccct gtgaactcca 300
ttgtcggggg gcctctataa ggcggcccgt tgaactccat tgtcggaggg cctctataat 360
gcacccttg caaactccag ggctcgactc aggtcggatc gagcccgctc tggggtttca 420
ctgaaatcgt cagcattttc agagacagca ggagccctgg atgaaaggaa gactggcacc 480
cttgtgtggg aaggaccctc ccccgatttt ggaacagagg aggcagagct cctcctgaaa 540
gggtggcacct gcccggggg tctcctgggt accccggagc aggatgaggc caggagggtga 600
gcgatgaggc caaggttgtt aggaaaggag gggcagctgg gt 642

```

<210> 8310  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8310
gagggccgac ctgggaaggc tggcgaacgc taaccggagg gtttttcttc cagacttgat 60
tccgggatgt tgagatcggt attcgaaata gactagcatt cgagtcgcct gtgatggagg 120
gagttcctgc accgtaggcc tggcctcatt tattctgcaa atgtttattg ggtccttgcc 180
ctttacaaga tctgtgctg tgagcaggat cagggttttc atgtggaaat aagtcggcct 240
ttggttgacc aactgaaact cctctgaatg gaaaatcaag aaatttttgg aaaacttagt 300
aaaatgttca atgagttgca tataagtatt ccttgtttag gtagcctgga ctttgtgaac 360
ttgagattct 370

```

<210> 8311  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8311
ccagagcgag actccggtct taaaaacaac agcaacaaca aaaaagattt gatgcctctg 60
atggagctga acatttatta tacagcaaca gcagcaagga ttgctggtgg gcagactaca 120
ctgtagggca tctggtcttc tgtagagtc tgaaggacac tattgtcaga gctctgccct 180
tttggaatga agaaataatt ccagatcca ggaggggaaa cagggtgttg ttgagggtcc 240
tggcagcagc ttttctggca cagtcgagac ttgggaggct ctcccgaag ggggcatcat 300
ggagctgagc ctgcccactg ggtattccat tgtctatgaa ttgaacagga ggagcttgaa 360
gccattgag ctcagtcagg taccaggaga cgaagagggt gtgcataaag acatggaagg 420

```

ggtggtggtt aggg

434

&lt;210&gt; 8312

&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8312

cacgtttcac agatgtggca actgaggctc agtgagggtga cctgccaaaca tcctcaggct 60

cagcagttct caagcactac tgcccactgt acctgattgc ctgggtctgc gcctgggccc 120

ccgccctttt acaaaagggt cacggcctct caagagctgg acatgaagga tggggcaagt 180

ccagtcttga tcggtaatgc ccacttgaca ctcccaggag cagcatcata gcatttatac 240

aactccttgt ctattcccc atgttgggca cacaggccat atcagtggac tcccctcacc 300

cgtccattca gttacaccac ttaagcctgc ccatgaagac aatggctaag gtgacagttg 360

gttacataaa ttgaagatga gtctctctc cagatgcatg gtccgtgaag aaatttaata 420

gcaaagacga gaagaagata caagtcttta atagtctctt gggtattttc tcacccaaac 480

ag 482

&lt;210&gt; 8313

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8313

gacatgcccc aggggacatc agaggtctct ctgcatgggg attaacagga gaggaggaag 60

ccctgacatg tccaataaac tcaatcatct ggaagatagc tcagtaggtg tacccttgac 120

ccagcattgt gggagaagat atgtctggaa tgtgtatata tgcggggagt gagaaaggaa 180

tgtcagcagt caggatgtct gcagatgggg aattagaaat ctgtcttagt gttgggtggga 240

gccagttcaa aagagacttc agaaggattg atggtttaga cggggatatct atataggacc 300

tgtttagatt aacttcagtg gaatgagggg tgatgtatta ggataatata gttagctgta 360

accagcaact gagctgtaac aaagccactg acacttctca ctcatattct atagtccagt 420

gaggggtctag gggacagggg gtgctctgct cctccattc tttctg 466

&lt;210&gt; 8314

&lt;211&gt; 322

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8314

acagtccggt accagatcgc cccatctgcc atcaagaatc aataccacac actccatcca 60

caccactccc agccctgaga ggggtctctg ccagctctgc taggtctgag ctgtgtctat 120

gcccggtatgt ggcagataag gagaaccatg gtaggagccg taagcagctg tgcgcaggca 180  
 gccagaggggt ctcgagggag gaaggcgagc gggcgggagg agcctggcgg cgggccacag 240  
 cttcaagagc ccaagccagc ggtgaggcta tccgggggat ccatatagag agggaggtgc 300  
 ggcgacggc catctagagg gg 322

<210> 8315  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<400> 8315  
 gctgcagcca agattctggg ggctgggggtg gcgggtggag gtggggttgg agggagcggg 60  
 aggaagcagc cagaactacc aggcggcatt gcccagcttc ttctgcttgg ccgcctcccc 120  
 cgccagccgg ccggctatct ttggcatctt ggcagctgag cccccctcgg catcccccca 180  
 ggccccgtgg cccaaaccag gttgtgcgtc tcctcaagggt tcccaactggc cttcgatcct 240  
 catttgctaa atatctgcga aggcagctcc cgctcccca gtgcctacgc gaatttaatc 300  
 ccagagcgaa cagacgcgga gccccgggag actgcttcat gtcagagatg aattgtacgt 360  
 aagtgaggac agggtttgta tcttgagct gtaattcatt aagatgaggt cacgcaggag 420  
 cagggagaag cctaattcaa tgactggcat ccttataaga aggaaatctg gacacagaga 480  
 cacagggcac gggcaagtca caacacaagc agagactgga gtgattcatc cacaagtcaa 540  
 gtgacaccag ggatgggcag ct 562

<210> 8316  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(418)  
 <223> n = A, T, C or G

<400> 8316  
 tgctgatctg actgtctttt tagtgggtcac actatcctta ccttctgtgc ttaccattct 60  
 cttgtttact aatatgatag agtacatttc tcatgtctct ctaagaaaga ttgttaatgt 120  
 atggctgggt ctgcttcac ttaaagtatt tatactgtat gtgggtctct gctaattctac 180  
 tgatatctgt ggtatgatta ttagaatcat atatatttgt gcttgtgggt gaattgtagta 240  
 ttctatcatt tggcatagct ctcataattg ctacattgag ctctgcatgg acatttggat 300  
 gctttcttat tttatgctag tagtatgtgt gtgaggacag attagtgatc gagaatcact 360



ggaatgtggt ggtgagatat atatatnttc tccatatcta agtaagggat tatatttc 418

<210> 8317  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8317  
 accttctgtg taagagtcag tgagagtagt agattgagat gtgagaaata gtagagaatt 60  
 agatataatg gagaagttgg ggtggggtgc tctttgagga ctagctgctg ttcgtgtgcc 120  
 ttgtgatgcc ttcaggggtgc tgcttttgtc tgctgtcggg tggatgttta gggtgaccag 180  
 tggctggatc atgtgcggtg catgtatact tgtatttgat cgcaggtagt tatagaatta 240  
 tt 242

<210> 8318  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8318  
 ggccaatgcg agtgaacctc gactgggtctt cgattctact aggttgtcac tatgaccaat 60  
 aaccacccat aagaacctca ttgtttacta tttggattgc tgtgtatata caagacagat 120  
 atctcccttt atggaaggag taatatgatg aatcggtatg ggatgggttg cgggtgtcttg 180  
 gtcgtgatca agctagttac tattgaattg ggggccgcgt gcatgtcgat catatgggca 240  
 gaaagtcccta gcgtgggt 258

<210> 8319  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8319  
 ggtactgaac agggaaagca tacctcacca cagcgattag catagtgcctt ccatgcgtga 60  
 tgtgacgcc a tctacttaca aggggtggca tttatatcag taacaggatc actgggtgtca 120  
 tcatgagtag ggtgatatac atcaataccc aggaccaagc atgatcatcc tgctaatact 180  
 gtcgatgatg ggggtgggat gttccagaca ggaaccagag gacaggagcg cagtaccatg 240  
 acaagcaaga tgaccagatc cttcacagac ataggggaaa ttataatgac totgcctttg 300  
 gactataggt ataaataatg gaatggtgaa ggcttatgga catgtgtgtc taagggtgaca 360  
 tgtaagcgaa tgatgagagg tgacttgagg cacgggctcc aaagaatctc acgatgtaag 420  
 ctgtccggcc ataagtgcct gagacagaac agataggacg agtaaccaat cggagggggcg 480  
 caactcacta tacaactatt ctatccactg tggaacgcat gattgtgtgg atggtacaga 540

tacggc

546

&lt;210&gt; 8320

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8320

gtactatctg tgaagttaca cttttttttt ttttttaaagg tagagatgtg tgtgtgtgta 60

ggattataaag atgtgttggt ggttactaaa atggattagt gggagatgag ttatgaatgt 120

agatgtattc agaagtaggg tgacagattt tttggtgaca tggcgtggtg ggggtggaaat 180

acagtggagt ctgaagggtc ggggagcgaa gaatggcaat atcatcgac atccgtgctc 240

cacacagcgc tagtgacaga tggagacctc atag 274

&lt;210&gt; 8321

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8321

gccgaggtac atgcctgtat acggacatcc tcttatttaa gtgtttgtct ctttcgtcat 60

tggggactcc agcaccctaa catagttccc tagtatacta gttggtgccg aataaaaagt 120

agctattatt agaaaaggaa ggtgaaattg acatgggagt tagtaaaatg tataaggaaa 180

atgattttta taggggaaag gtaaaggatt ttctggccgg aaaaagcagc aaaggacaag 240

tattacttaa agtcttgtga aaataacact tcttcttgct tgtacctggc 290

&lt;210&gt; 8322

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8322

gcccgggcag ggtacaagct tttttttttg tttttttttt tttttttttt tgggttcaag 60

ataaaaaaaa agtacaaaag gaaaatgggg tgctgtact aatgcatcat acaaaccaat 120

agcactgccg acaccgcaa ctcaagccat tccaacaaa ggaagaaagg ctggcgtttg 180

caccctctga gggaagggtc ggcttgtaaa acagcacaat tcggagtggg atgggaaggg 240

ta 242

&lt;210&gt; 8323

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8323

ccgcgtcggg gcagggtggc ttaacgaaaa ctggaaatgt ctgttgatgg ggaagaaaca 60

agagctaata caatagctag gagcaaataa tatttctctt atatagcttg aaggtagcag 120  
 gtacagtagc taggtacata gtgaaagaag gattacgatg gtaatgaaat aatttgtttg 180  
 atacgctaata ggctataggg gatatttgtt aatatttgta agtttg 226

<210> 8324  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8324  
 acaagctttt tttttttttt tttttttttt tttttttttt ttttaaagca ttaattaatt 60  
 accacacttt agaaagtatg ttcgccggta atatggaacg tagggggcaa taaataataa 120  
 aaggaggcgg gaaaaaaaaag acagatacgg ggaacatagg gggccccgcg gctccagggg 180  
 cctcgaaagg tctatcgcg gacccacccc cccaagaaga aaaaaacccc aaaagccagg 240  
 ggaaaccccc ccgggggggg gtaaaaaggg gggaagggcc cggggctccc 290

<210> 8325  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8325  
 agtcttatth agcaccacag ccatgtagac ttctcatgct ggcccttctt ggcactctgt 60  
 cttctcactg tcatacattg tgggaagggt taggggagtg taagttctca gtataagtaa 120  
 gaacctgtg tgagaccctc cactaccacag cgcactggcc ggtttaggag gaaatcaagt 180  
 aactacacc aatcacggaa aggtctcctt gcagagccag ttaatt 226

<210> 8326  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8326  
 cgggccaggt acccttatgg accctggcac aaaaatgatt cagcttcagc gccttttgcc 60  
 tgcagttgca ggctttatga agcaggttct ccacctccag taaattaaag tttttaaaca 120  
 agtaccacag gagaacgggg accctgcacc ctggattact gggactggca cagtgggagg 180  
 aaggggggac cgtg 194

<210> 8327  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8327

ataagctaga ctccaatatt ccacacagct gactgatacg tggatgcaat aacatgtgca 60  
 tttcttaata ctacaacttc atggacagag taggggtggtg agatgaattt gactgtgtct 120  
 aaatcagtgt cctaaatggc tggttctgtc tgtgctcctt tgacagagag caagacagac 180  
 ggtaagtagg agattgacta taatggggag atgatcgact gtgtgtgaga gggggaaggg 240  
 gtagagagag gagggaatat tggctcaga ggtctcacca tcttaatttg gttgctccta 300  
 atgata 306

<210> 8328  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8328  
 tacatgaagt ctgtcttttg tcaaagttct atgcagtcctc aggatagcgt gatagcagtg 60  
 gttaaacaca accagctagt tatagctttc attgtatgga aagacctctc tggctctggaa 120  
 ctctgccttt gaaattatcc acgtagttca gaaggcaaat acttggttaa gggatcccaa 180  
 aaggtaggag acaagtagtt tttgttatgc attagggcag actttcaagc acaagacaca 240  
 aaattgagca gcaaatgttt gggtagtccc atctcccttc ggtttatatg tgggtagtaa 300  
 aataaataaa aattttcttc tttgtctctt tcttgaaata aaatatcatg tatccaaaga 360  
 gagctgagga ttctcaattt gctagattgc tttaaagggg tcagatttat aaaaataaag 420  
 aattaatgaa gaacaatttt actggagtta gtgtgggtcaa taggcccttt tcattttgtg 480  
 tcattgcttt tatcaciaag atgttcaa atcaaataaa atgttctctc 530

<210> 8329  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8329  
 tttgtggaag gtgaattatt gcaattttat cttacaacac aataggggaat agtgaattga 60  
 tatataaata ttatttatga ataaaatact aagactacgc tagttagatg ttgcaataaa 120  
 tcgaaaaggg atatatgggtg cataaaaagc aatgcgctat gc 162

<210> 8330  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8330  
 gtacagctta attctatgct ttgtcctgca cctatcctga ataaagctgg agaaactctt 60  
 gatgtttcag tgagctttaa tggaggaaaa tctgtcattt caggatcatt aattgtcaca 120

```

gccacagaat gttctaacgg gatcgcagcc atcattgtta ttttggtgtt actgctactc   180
ctggggatcg gtttgatgtg gtgggttttg tccctttgct gctaagtggg tattaagggg   240
tcctccacca cccccccctg caccaaaaga ggaggaagaa gaacctttgc ctactaaaaa   300
gtggccaact gtggatgctt cctattatgg tggtcgaggg gttggaggaa ttaaaagaat   360
ggaggggttcg tggggtgata aaggatctaa tgaggaaggt gcgagggtag agaaaggcaa   420
aatggtgtg gtgaagattc ctgaagaaaa                                     450

```

```

<210> 8331
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<400> 8331
ttattcagtg tatttttagg tgggtattatt atgtttatta tttttctcat tgatttagtg   60
actatatctt catcatgttt tcatttttat ttgttccgaa gctcccggaa aatctaactt   120
gctaacaatt atttaaaggg aggagagagg aaagcaggag cagctgcagg aacagcagca   180
tttttgggta cctgcccggg gcgggcgctc gacaatcact agtgaattc               229

```

```

<210> 8332
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<400> 8332
ggcttttttg tgggagttga gcgcatcaat ttgggggtgg gtatgatcca tgtttataca   60
cattcatgct tccataatgc ggttgctata gggatacgag tgactttcgt gagtgccaat   120
ttgacatcat gtctgggcac aagatcttta tgtgttctaa attgagagga gatgatctat   180
gacatccttc acttttatcg ggtaatacta catgtatagt tcagtaatgc gggagggtct   240
ctatagacat tttgaatttc ctagcataat gtctcaggac cgtggggaag cattatatgg   300
tttttccaat acatgggttg gacgcaaggg ggcgtgtcac gtacggccac aggcagttca   360
ttgcccgggc                                     370

```

```

<210> 8333
<211> 530
<212> DNA
<213> Homo sapiens

```

```

<400> 8333
ttcatgatgg gttactcttt tatgtctgaa ttcatgttta tatatgcgta tagtcatcta   60
tcgtatatct ataattatct ataatatgtg ttatctgcag tgataaatta tgatcttgat   120
gtcgggtggtg atgattaatt gtgtgactcg tcattactat gaagatgac ttgaggctgg   180

```

tatcgtctgt gcatgaaggt gattgagtgc tgggtgcacag gattttaag atggctctaa 240  
 agtgtgcata gaggttggtg ttcagacaaa atatgaagat gagctagggtg atcggatgat 300  
 ggaaatacac ttgtggagcg tgattctaag actgaagact cgcttgatga taccctctaa 360  
 gatgaacgag tcgatgctga tctccgctt ctcaggggat cactgagcga tgaaagacag 420  
 gatgaggtat gagtgtggtc tcgacggccg gtcggtgctg gtggccgttg ggatgtgaca 480  
 gcctggagat gatatgtgca taacgagatc cagatgacaa ttccaggctg 530

<210> 8334  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8334  
 gatgtggtgg tggctcttat tgagcatgtg catgcactcg ttagtactg gaggacacag 60  
 tagctctaca gcgtcatgtg gcagaggata atgatctggc tagttgtgtt ttatagaagc 120  
 agctatctaa cagctctcga ctgcgaaga cgctctgtcg ggattggctg taagcactac 180  
 ggatgtcaca tgggtgtagt gctgggtctgc aatgagtggg gctgatggct cctgtgggtt 240  
 acgagtctgt attcctattc accgaagggg gtgctggagt gtctgtctgc tgtctattaa 300  
 tacacc 306

<210> 8335  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8335  
 atacaaaacg cgcaatatct aattatgaac agcggttaaat ccctatcaaa gttcaaatga 60  
 aatgtgtggc ttatagtgtg aatgcacaga tatatagcca tatcatgtca tgttgtgtgc 120  
 ggagttgggg tgggaacacg cagaaccgga gccacgtcag ctacacctca aaaagtgc 178

<210> 8336  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8336  
 agagggaaga ggggttaaaga aagatgataa gaggatcaat aaattaattt tatgaaataa 60  
 aattagggtca taggggtatg gaggaataa agaattagat gattatggta ataatgtgta 120  
 aaaatgtgat taagtgtaaa gggagggtat atgagaggat gg 162

<210> 8337  
 <211> 338  
 <212> DNA

<213> Homo sapiens

<400> 8337

```

tgataagatg tgaatacata tagtatcata ctatataaat aattcttggg gtgtactatg      60
tgcacaacat taataagtat atgggaacat gttcggctta tgctgcgttg cgatatattg      120
tgatacagag ggatctacgt ctaggtatgc tgatggaact agtacgagtg atgctcatat      180
gaggtctgcc tagcgtccat aggcagctcc acatgtacat tcactgaaat gttgttga      240
tatctgcact gaggaagcgc gtaggttata tgactttgtc atatttggtc gtgtataggc      300
ataatggaat tcattcagtt tagtgcagga aagcacac                                338

```

<210> 8338

<211> 610

<212> DNA

<213> Homo sapiens

<400> 8338

```

ctactttgta tcatctcttc tattattttg aaagactggt taatttttca tgtcttacat      60
tcccaactaa agacctaaaa ttgttttgta tccccactca aaatgcctta cagaaaatac      120
aaaaatcaat ttgatcggtt ccttaattac aggagtcatt gcaattagtt acataatttg      180
actcttggct atcagagtta cattatttga acttaaataa ccatcttcct gtaactgaat      240
ataatttata ttccctatct ccagtaatta actggcataa aatacagaaa taccaacaac      300
aagtagtgta cccactggg aaagtgcata gactctgtgg ttagacagac tatataggat      360
tgctgaatca gatactacaa tacatagcag tatgacctta aaccattgta ttaagtcac      420
taatcttcta tatcctcatt gtcaaaaaat tcgtgtatca gctacgtacg aatactagtg      480
tatgaccttc cacaatcggc ttaagctctc tactaatcaa ttactcata gtacaaaatg      540
gggaagaaaa cagtatggtg ttcggaacgc acacagtgac tgatggagag tatgtgctag      600
ggagaaggga                                610

```

<210> 8339

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(194)

<223> n = A, T, C or G

<400> 8339

```

tgaaagctat ataattagac attgtaaatg ccttagataa tttatgggna ttttatctga      60
agaggtaata tgacatattg gattactttg tgagtgtgaa tataaagata agagaaggat      120

```

gagagaagga tggatgatatg agggatgtgg atgagaaaga ggaagagtgt atgagagaaa 180  
 tgggattaga gaaa 194

<210> 8340  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8340  
 ctgacatcac cgactcatat gcttattacc accctgcttg agcaggctgg ctcccaacgg 60  
 agatgaacga ccgtgttcct gcctgggttg tattcgacat gctcaggact gcggggagaa 120  
 aggatgagat ccagcagga agaactgcct gctgccagca cgcaggagag ggtggggctg 180  
 ccggccatta tgtccatacc aacacaatgt 210

<210> 8341  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8341  
 ggtactcatg gatccatagg aaagcatgtc agtgcctggg gccacacta tacatggaat 60  
 tgtggagtat gaggaatatg gcacgaccct acctcttctt aagacagttg cagttcacag 120  
 ggagaggagg aagatacatc aataacccca aagtccatga aggtgcaaag agttatgtgg 180  
 ggctgcccag gcagaggtga caaatgccca ctggtgacaa gacactggtg gacatagagg 240  
 gaaaagccca catagaaagg tttccaggca gacaggaagt caaggcagtt ggggacggga 300  
 agtcaaacaa gtgatgctgg gacaccgctt tgatgggt 338

<210> 8342  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8342  
 ttctgataa aggggacttt ccatgccgtc aacagggaag tatctgaaca tactgcctta 60  
 taccgattgt actcactata taaggaaaat ggggtgcagta gtgtggttca ctgagtcggg 120  
 tgggaacaat gatggtgcag ataactgccca ggagtaactc attctggtga taatagatgg 180  
 gacgtgtgca gcaacacaaa aataagccga tgaaagaaaa gtcctcaata gagtgtgctg 240  
 tagtgactg ggcaccagta ggctggtgc ccctggtac atgttacctt cggcacgcgt 300  
 accatcgctt attcagtaag tg 322

<210> 8343  
 <211> 178  
 <212> DNA



<213> Homo sapiens

<400> 8343

tggtccagaa gttataagaa tgatatacta tcgattttta gaagatggat gaaaaagttg 60  
tatgtgagt catacgaatg aatgaggtag acatgggaat gtaagtgtca ccatgttgtg 120  
atatgtgtga tcttaggta aagatgaatg aaatatagtg agtatgctcc cattcttt 178

<210> 8344

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8344

acctagaatt aaaaccaaga ctctgtgatc agaaatcctc aggcccggtc ccttggtgcc 60  
tgtagacaat gaacaaaaag atggcgagtt caacagtggg acacaggctg ggcattgatg 120  
ctcatggctg tatatcccag cacttttagga ggccaaggta 160

<210> 8345

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8345

gaatttagta aggctttggg cataatgaat tagaagcggg aagaggattt gtgcagataa 60  
gttatgcttc ggggctactt ctcccatcaa gtcaaacttc gtctgaattc tggctatctc 120  
tctagccatg ttgcttcgc ctctcaacaa ttcaactggg tggttgaatt tagactccgg 180  
gttctaattc tggg 194

<210> 8346

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8346

caaaaattgg gacgaagaat gatgaaaagt aaatttagaa tgtgctgtgc cgagaatgaa 60  
agaaaaagca gcgtaggggtc tgcgtatcca gactggggga gtggagcagg aatcactta 120  
gccagagtg gcgagaaccc taaaaataaa aataaaataa aataataaga aatggagcag 180  
aaggcggtca taggagccaa ttttattaac taaaccaaac ccatga 226

<210> 8347

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8347

ttcagagcag actaacgtgg gctgccatta tttctattta tatgtataag agtatgtctt 60

```

cgtgatctgt ataaaaagtg atcgtgtgaa agatgctgat tgtcagtatg ttatgtcaat    120
gtaatcaaac ataattgata tctttaatgg tgtaggagat gggattgttc tttgttaggt    180
gatgatactg tcagtgacat acaaaataga tgaaagatta atcaatcaga cgaaactacg    240
cttatcacta atgaagaaaa tgtgaactgg gggttgaaca taggcgtgag catcgggtgc    300
cttggtggtc ataatagagg tatgatgata gtgtggaggg gatagctgat ctgggtcatgg    360
acttctgtgg gtaggtgtga agatgtgttg tgtgtgaca tcgaactcaa tagaaatgag    420
gatctgattg tgctattgat agagtgtgtg aggcgtgagg atttgctgat tctctgcgct    480
gaagagctgt gctgatgtgg gctagttaac ctgtggagac atgcaggctg caatgaatgt    540
gggcaa                                                                    546

```

```

<210> 8348
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 8348
tgagtacttg aaaaaatgaa agtgagagat gtaatactgc tggagacaag tggctacttt    60
ttactttctaa cttgtaatca atgtgagcga tgatocatta tcatccaaat agagtgtgga    120
gactatcgga ggatacgtga gtgtcaagta ttccaatagc aattaaaca aatgacatga    180
cttcgagaca gctgactact tatttcggta atgtgatttg aatgtgcctg gcagtcgcaa    240
tatatgagat cgttcacgtg atggctgatg tgcgccagc atattatata gggtagcgaa    300
aatggagtga gatgctgttg ggaggtcgat gagcatgtga ttaatggttg tctg        354

```

```

<210> 8349
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<400> 8349
tttttttttt tttttttttt ttttttttgg tgttttgtgc tttttattta cgaaaaagct    60
aatggcaaaa tctacattta aactatagat gaatccaaag cctttagtga gagaaaggct    120
gggtgggtgg gattacataa aatggaccag tgggcatatc tt                        162

```

```

<210> 8350
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(210)
<223> n = A, T, C or G

```

<400> 8350  
 ttngtgaggt ccggagggta catgctgtag tgcccaaagt tggtgtgctt tttttattaa 60  
 gtatagccag ggattacgta ggttcaaggt cccaccagat aatgtcctta atagaaatta 120  
 tggtaaacat ttatattcct ctacaaaata ccttattttc ccaaataaag attaataatt 180  
 aggcaggtat taggagaatt aaaaaaactc 210

<210> 8351  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8351  
 gctatgacag aatcattgta tgtgagctta aggtctctgc ataaaactga agttaagtag 60  
 ggtagcctgc ccgccaccat gagctgactt gaagagctac tccctgcgtg taagtatctg 120  
 ttggcacagt atgtagtggg gcgtacgatt ccagaaacgc ac 162

<210> 8352  
 <211> 854  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(854)  
 <223> n = A, T, C or G

<400> 8352  
 ctcagcatTTT aatccaaaca ggggttctta gtctcagcac tatgacattt tgggctgact 60  
 acttatttTgt taggcgggag ctctcctgtg cattgttaga taattagcag tatccctggT 120  
 ggctacccaa tagacgccag tagcaccctg aattgacaac ccaaactctc cagacatcac 180  
 caactgtccc ctgcgaggag aaatcactcc tggggggagaa ccaactgacct aaatgaattc 240  
 taaaccaatc aaatgtctgg gaagccctcc aagaaaaaaa atagaaaagc acttgaagaa 300  
 tattcccaat attcccggtc agcagtatca aggetgactt gtgttcatgt ggagtcatta 360  
 taaattctat aaatcaatta ttccccttcg gtcttaaaaa tatatttcct cataaacatt 420  
 tgagttttgt tgaaaagatg gagtttacia agataccatt cttgagtcac ggattttctc 480  
 gctcacagan aggtgtggca tttggaaacg ggaataaaca aaattgctgc accaatgcac 540  
 tgagtgaang aagagagaca gnagatcaaa ggcttttagac agcactcctt caatatgcaa 600  
 tcacagagaa agatgcgcct tatccaagtt aatatctcta aggtgagagc cttcttagag 660  
 tcagtttTgt gcaaaattca cctactctgt tcttttccat ccatccccct gagtcagctg 720  
 ggtgaaggga gttatttttt caagtggaaT tcaaaccaag ctcaaaccag aactgaaaat 780

agagattgca ggaatccttt tctaaactgc tttgcccttt cctctcactg ccttttatag 840  
ccaatataaa tgtc 854

<210> 8353  
<211> 642  
<212> DNA  
<213> Homo sapiens

<400> 8353  
ccgaggtaca tcagcattta atccaaacag gggttcttag tctcagcact atgacatttt 60  
gggctgacta cttatttggt aggcggggagc tctcctgtgc attgtaggat aattagcagt 120  
atccctggtg gctacccaat agacgccagt agcacccega attgacaacc caaactctcc 180  
agacatcacc aactgtcccc tgcgaggaga aatcactcct ggggggagaac cactgaccca 240  
aatgaattct aaaccaatca aatgtctggg aagccctcca agaaaaaaaa tagaaaagca 300  
gttgaagaat attcccaata ttcccgggtca gcagtatcaa ggctgacttg tgttcattgtg 360  
gagtcattat aaattctata aatcaattat tccccttcgg tcttaaaaat atatttcctc 420  
ataaacattt gagttttggt gaaaagatgg agtttacaaa gataccattc ttgagtcattg 480  
gatttctctg ctacacagaag ggtgtgggat ttggaaacgg gaattaacaa aattgctgca 540  
ccaatgcact gagtgaagga agagagacgg aggattaagg ggttttagaca ggactccttt 600  
catatgccat caaagagaaa gatgcgcctt atcccagtta at 642

<210> 8354  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(338)  
<223> n = A, C, T or G

<400> 8354  
ggcaggtaca ctagaaagtc ttttacaana ataatcatcc ttagatcaac cagaagacca 60  
atcttcaatg tncgtcctng acagagatgg gttacnnttt aacatccctc ctcttggttt 120  
tcgtcccaat gttcctcctt taggtagtgg cgtggttaagt tggttgttgg tggattgcca 180  
ccccccctcg gaggaatgcc cttgcccata aggtgcctct gggttggccc actggtaagg 240  
tcttgcaatt atcccctggt ccaataatcc cattagttcc ccaataggtt aataccccaa 300  
gttataaatt cataatcccg ccccataggc ccacttat 338

<210> 8355

<211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8355  
 aatcgattga accgggaggc ggagggttgca gtgagccgag atgcactaca ctccagcctg 60  
 ggcaacaggg ccagactcat ctcaaaaaaa aaaaaagaaa gaaaagaaaa gaaaagttaa 120  
 gtgcagagaa tagtgcctga cacacgggat acagtaggtg caatttcagt attagttgct 180  
 actattgtca taatcatcag agtggttcaa gagctgtgcc tccatggctc tccacatcgc 240  
 ttcacaaaact cccctgttct gggaccagc ctgaattgta aactccaccc ccgactgatg 300  
 ctaccctata agccaaacag aatcatggct ggggtagggg ctctaccctt tgggatctgg 360  
 ccgaaccagg aagaggtaga gtggcctgga ggccaaccac aggtgattca gaatgttcac 420  
 cacgtgggtc atcctgtctt actcctgctt tacacgagaa gccaccatga ctagtcctcc 480  
 tcctgcgggg acagacct 498

<210> 8356  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8356  
 tgggtggatg gatcagtgga caagttagtg gatggatgga tgatgaatgg atgggtgagt 60  
 tggttggtgg atggattggt ggacaagtga gtggatggat ggatgaataa gttatttggg 120  
 gagacaaatg gaagggcagg aagattgatg ctccgcattg tcctggcttt ctgcactaac 180  
 tgtactcgac gtcactagaa aaaaaaaaaa caaaaacaaa aaaaaaaaaa aaaaaagtct 240  
 gg 242

<210> 8357  
 <211> 756  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(756)  
 <223> n =A, C, T or G

<400> 8357  
 tttctttcac ctgtcttcta attagagcct ctactcactc tgtagcacga gtcatttatt 60  
 ttgtctagta caaagaatat ttcgaatact catgactaaa gagctcagga gttctagcta 120  
 aagaagaatc ttgaagcatt ggagttttga aaatctgcat aaagattttg aagatttttt 180  
 aaagattcat attataacag tataaccgttg gtctaatttt tcttaattcta ctaaaaacga 240

aatagcacag gtcagatgtg acttgcttgc tttctgctcc tgtacaatcc aggagtgtta 300  
 atcaaaaagc aaaatttgtg acatcagttt tatttccatg gctactgatt gtaatattac 360  
 aaacatgaga ttactggcta gttcatcatg aagggttaaag aagattcctc cttggatagg 420  
 atctccaaaa ccaacaccaa agggaatatt atcagagctg cttccagcag cgtgtccttt 480  
 caaaaatggt ctcattattc tgagagcttt gttttatttt gtgagggttt tatcatttgt 540  
 tgttggtggt taatatttta attttatgtg cttgtttgtt ttatttattc ctccacccca 600  
 ggtgaccgtg tangaaaatg gttatttttag atgnagaag cccctctgtt aggaagcagt 660  
 ttctgccttc gtttaattct tcttcacaa ataagattta ttttggaaact tcagtcaaaa 720  
 acatctgtac tttgtacagg acaaagattt ggcttc 756

<210> 8358  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(370)  
 <223> n = A, T, C or G

<400> 8358  
 cctaagtcac agttctgtcg gactgtgggt agaagactag gagatgggtga gtggagtgtta 60  
 aggaccacat gccganagaa gattgataga aaccatgggt aactgtcgaa tctgtcagtc 120  
 ccggcatgag tgtaattgct ttctctggag ggcttgccga ttctctccta ccagtggtct 180  
 atgctttatc tatcgagctt gtgcccggtc tgcatttctg attatgttgt tgtgtattgt 240  
 gtgtatgtat gtattcgtgg gaagagtgtg ttcattctgaa gcctgtggct gaggattaag 300  
 gttaggattg ggtaaagatc agaatatcac gtccagatat cgcagcgact ccctgtggat 360  
 agcccttggg 370

<210> 8359  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<400> 8359  
 aactggctg ctgggcagtc acgccggtgg ccggcgggag agcggggaga agcctgggtc 60  
 cgtctggctc ttaccacacc atgctcctgc ttccacatgg cagagggaca gtcagcaggt 120  
 gtgcagegcc ccagctccta cttgtctcaa cagtcctaac tggccatggc caagagttct 180  
 gtcagggcaa tcaactccct gacacaggcc agatggacat ccgggagaaa tccatagtag 240  
 tggagctggt tcagagcccc acggaattaa gtcggaataa aaccacgaga gaaagaacat 300

```

tttcatgggc cctgcacgga gcctcctggg cctgatggag aggggccccca cccagaagag   360
cacagggttg gccccacccc ctgcaccaca catgcgcttt atcaactgaa cactcccaca   420
gccacacgga caggattcat tcaagtctgt gtatgtctga gcgcaggaga agaggatcta   480
ctgagctcta gctggagctt catccagcga tgattactaa tctcgtgctc caatgcagct   540
cccatcctct cgaaggggat ggtcggcgac cggacgtcta cgtcttgggg cccgttcccc   600
gagctggggg atctctgacg gcttta                                     626

```

<210> 8360  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8360
ggctgatcgt gctcaggag gaaaggaacc gtaggttcac gacattgggt gtatgtgctc   60
ggctgaggag tgaatggggc gaagcagcat ctgttgggat catgagttaa cggctctaag   120
tcagaatcgc gaacagagcg gaaagatagg gcagcggcgc ggagggtcgg gtggcctggg   180
atagcgggtc ggcgggcatg ctccgggggg                                     210

```

<210> 8361  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8361
gcaggtacca aaataagagg agcgggtgca ggtaactgat atttactgaa tagtaaagag   60
ggaagcgtga aggggccttg gagaatgggt aacagcatct gtttcagct catcacaggt   120
gcacagcata agatgagagt tggctatgga tgggcaaadc actgaaggta gatcaaagat   180
gggtgctcag cgccagtcgg tctcatcgat gcctagctgt tatgtaatta ctggatcaaa   240
actagatgtt attagtataa gatatatgtc agataaagat agtattttaa attgtgttgt   300
aagataagag aacacatata aaaatgtgga ttcttaca                                     338

```

<210> 8362  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

```

<400> 8362
ggtacatcag tctcagattc atcccagaaa aaagaagagc acaattattc tctttttgtc   60
tccgacaact ggggtgaaca gccaaactaaa tgcagtcctg aagaagatga ggaggacgag   120
gaggatgttg atgatgagga ccatgatgaa ggattcggca gtgagcatga actgtctgaa   180
aatgaggagg aggaagaaga ggaagaggat tatgaagatg acaaggatga tgatattagt   240

```

gatacttttct ctgaaccagg ctatgaaaat gattctgtag aagacctgaa ggaggtgact 300  
tcaatatctt cacggaagag aggtaaaaga agatacttct gggagtatag tgaacaactt 360  
acaccatcac agcaagagag gatgctgaga ccactctgagt ggaaccgaga tactttgcca 420  
agtaatatgt atcagaaaaa tggcttacat catgggattt atgcagtaaa gaagtctcgg 480  
agaactgatg tagaagacct gactccaaat cctataataa tcctccagat atgcaatgaa 540  
cttcggaaat tgaattaggt gattattgat ctgacttc 578

<210> 8363  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 8363  
gagggatat aactaggggc atgaagtgtg agctatcggt aatgagaatg acgtttgggt 60  
tgctatcgct atggctaaga atgggattaa gagaggaagt ggcaaaaaa gaatggacgt 120  
attatgaggt tttatgccgg agcgactgaa tatacaagaa tgggggagaa gaagcttttt 180  
agatgtcctt aata 194

<210> 8364  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 8364  
cgagtactaa aatatctagt tgtttgatag ataacttaaa ctcattaatg atagatcgta 60  
aagatctata gtcagtctca caacagatga ggtattattt gtatgtaagt ttcagcggtt 120  
gtgattgggt tctcttttgg aataatgaga gaataaagtg tgtattcttg tgttttcctt 180  
gataaatatg cataagggga tgggggttaa cagtgttgaa tatctc 226

<210> 8365  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 8365  
tactgaaaga tatagttaaa agatcaataa cttaaatcag aattaatgtt acgtaaagtc 60  
ttatgtttca catcaacaca gatgaggtat tataagtata taaaagacgg tgtgtgggga 120  
aagctagggg taagtatata aagtgagaat tcgggtgttg tggagtgagt gttgtggtat 180  
atgtgcattt ggggtggggg ggtcaagtgg tgcataagat gaggaaacca tttctgcttg 240  
gggtaatggc acatctcctt gcgcataatg gtattgaata tcatatattc tatggagaaa 300  
gaagtg 306



<210> 8366  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8366  
 gaggtactga aaagactcag tcagcccat catgactctg atgaaaagag aggatatgtt 60  
 cagaactatg gtcagtatct tccctgtcta agggattata agtatcttcc cctggcagag 120  
 ctgagggggc cataggtact gatctacagt gatcacagtc ttggtgtgta gagagtgatg 180  
 acagctagct cgactagga gggagtgcc aaggtgaat atggtgagag aagcctgtgt 240  
 gctgatggat gtttactcat ctctcggac gtggacgata ttcactatct 290

<210> 8367  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8367  
 aggtgcatat tgaggctact tagaggaatg taagacaaa tcctgtgaat aataagcatc 60  
 actcagaacc aacagcgaac agatgtagtg ttgtagagtg gataagtact acaaggctca 120  
 caatactacg gattattatt attaattggc ctctcgtgaat agaaagtata cggggactac 180  
 ggagaaaaga ttgctactga gtcattgatta gttataagag gatgagtaac aactacaatg 240  
 tgttctgact cattgtgtga cccagcacca tcaccattcc tatgcatctc 290

<210> 8368  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8368  
 taccagcaga gtcagtgggg ctagttgtta tgcctgtat cagtcactgg tgatgggcct 60  
 acctcatagg agataaagat tttctatgta gatgcaagta aagtgagtcg gtgtagacca 120  
 gaataatcct cttctaaaga agggctctatg gatgttctag ggagtatgat ctctctgatg 180  
 aaagatcaat agttgtctag agtagatttt tatttcttgg gatgttgagg tgggaggatg 240  
 gttagatact ataaggtagc gggtgattga gtcgagattg tgtcaatgca tcagacttgt 300  
 gtgatagagt gagacacttg gtctgtttgg aatctggatg atattggctg tctctttctg 360  
 atggctggtg tttctccact gtatagatca tcatgatagc atttggtcga gtaatatatg 420  
 atagaagcgc tgtgcgggag ttggaggata gagatgaatc ggggta 466

<210> 8369  
 <211> 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8369

```

gggaggtaaa ataagagggg ggaggggggtt tagggaaatt gatttttagtg gggatatatag      60
aaaaaaaaa atttggaggg agaagattaa agaagttgag ataaataaaa tataaataag      120
tgtattaaaa agaaaataaa aaaaaatggg taaaaaaaaa agtaaaatat aaattttgaa      180
aataggtgaa tagt                                                    194

```

&lt;210&gt; 8370

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8370

```

gagggtggtgg ttgaggagag gttataaggg aaaggataaa gaaaatttat tttatttata      60
aaatggagtt tttcaatttt aatttgggaag ttagaaaggg ataaaaaaaa aaaaaatgat      120
gggtataaat aaaataaaaag aaaaatttag ggtaaaaaag gttggggatt ttgggatttg      180
ggtttgaggt tttgaaaaaa gggaattaaa tattttttta taagat                    226

```

&lt;210&gt; 8371

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8371

```

atgaacaact taaaaaaaaat aaaaaacctg gatcaatggg gcttctggga accgcgtatc      60
ttcccctcac ccaaggcagt gggcatgaat ctacttttaa aaaatgatta attttggcca      120
tctgagaaga aaagagccta aaattgggtg atgcaacgag aaagtgaag tcgagggaaa      180
atgcagttta caagtctctg aaatctaagt                                    210

```

&lt;210&gt; 8372

&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8372

```

gtacaaatct tatgtggtac ataataaaca ttgtaaataa ctaacattct ttacacatct      60
tcattggcct gtcacatctat gtttctaagc caataggtga tgttttaaaa ttatgtacag      120
taggtgatgt gatataataa catgaataac atagagcctc agaattaggg agtagtgatg      180
gtgtgaaatc gattatgggc atctgtatcc catatctgta actagatatt ttttactagt      240
aattcaacat gttttgatct tgaagtatat tactatagtg ggaataaagg taataaagaa      300
aggatc                                                                306

```

<210> 8373  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8373  
 acttttcaa at agctagttgg atagtttgaa ttgtataaca gtaatacctg gataatactt 60  
 actcgtatat gcgtgattaa tacactctga atcatataga tagtgattgt atgcatgac 120  
 tgcgagtc at tgggtaagag ctgaacgact atgtggacag tatgttaa ac atggaaaaga 180  
 tggaacacaa aagagaaaag gatcccaatg agaaaaataa gaatgattat tagtattgca 240  
 atgtgaaact taaaggggaag aaggaaaaga taaaaacgga ttggtattac tgaatcagtt 300  
 gaatagaatc ggataaaaaa caagcagggg tagcggatca gacatgtagt aaaagcaact 360  
 cgcccgatct ggccgcaaaa agcacc 386

<210> 8374  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8374  
 atttatttca ttgctgacca ttaggttgca gcatgcaact ctcaacaatg agctgcccct 60  
 ctccactcct atagaagctc caaatactat ggtaccacta ttaggtttt cagcctttca 120  
 aaggctttta ttattaacat catcattaca gaataaacat tgtactacc tcagggacca 180  
 aggaagtaca tagggttggt ttccctttct taaaatagcc ccagaattat gtttgctttt 240  
 tatagctttt ttaatctctc ttgtcacttc ttgctattaa tgggtctcct gcctctggga 300  
 ctctgcgggc cgctccacc cagcactta acaacatctc accaattgca accggatcgt 360  
 ggggtgggact tccgctatca ttttaggctt tactaccacc atctcctcgc gggcagtggg 420  
 ggcaaccgag aagacagaat ttcacaaact ttcagctcca gcagtttcaa ggaaatgtta 480  
 aatgagaaga tggaagaccg agtgtgaaga gctaagaaaa caaaaagggg 530

<210> 8375  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 8375  
 tgaagggtga gctcctggga cctcagacag atccttcct ctgatcctgc cctgttggtg 60  
 gtatatctgg ggagtgtgtg gccagagaa gccagtgata tatccaggtc acacagcagg 120  
 cctgggtcta gcatctgtct cctggcctcc aggcattgt actctocaca gcacaagtcc 180  
 gcctctcagg ttcttttatt tacaatgaaa ccatttactt acacagttat cgctgccac 240

tgggcattct ttgggcaggg agatggagtt ttgttaggtg ggctctgcat acctatggga 300  
actcagtgat gtaatgcaaa gaaaaataaa cttac 335

<210> 8376  
<211> 482  
<212> DNA  
<213> Homo sapiens

<400> 8376  
gggggggtggt ggggagacgg gggctttgga aaggaagcgc cggggagacc actggtgttt 60  
tagcgagaag gggggagcct aattcaaagc cgggggggcg gagccgataa tagggtgtgg 120  
ggggggcttt ggggattttc ggtgtggggg ggggcttcca ttttttgggg gggggggggg 180  
gggtgagcgg cgactcctcg gaaagaaaag cgggcctggc ggggggttgg ggggaggcca 240  
agtccggggg gggggggctg ctttttttcc cggggaaaat ggggtggggc aaaaaagggg 300  
gggggggggg gggcttttgc cgctgggttaa tttgtttccc ttttctttta attcgcccg 360  
gggagttttt tttttttgga gaggaggggg agtaaaaggt tatgcccag cggcaacaaa 420  
tattttgaca gaattgcgcc gccttgctcg tgaacaaaga gaaaaagaag aagaaaaaag 480  
ac 482

<210> 8377  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 8377  
ggcccaccg cggctctctg ccacctgttg ccgtccatca cggggccacc cttcttcac 60  
ctccgtcctg tacaatagct cagcaaagcg gctggcggac tggcccggga tctgctgctg 120  
ctccagccat ctacatgaca accagagcct gggagagcct ggatggcggc ctgggcagtt 180  
gctaagccct ggaggactac tctgtgctgg ccgagaccga ggaagacagg gcttcagcga 240  
tactcaggct ggccgacttc ggcagcgcgc cccacgactt tgagggtggct gaaggctggc 300  
atgtggacac caggaccaag aa 322

<210> 8378  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8378  
ttagtttggg tgtattttta gattatggta taataatttg aaattataaa tataaataag 60  
tagttagaaa gggtttgaat taataatttg gtgaacgggt ttaatcgata ggtgttgatt 120  
agatgaaagt tagtaggggtg atgtttatta tggttgatag tt 162

<210> 8379  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8379  
 aaggatgcaa ctctgtctt ggatagcact acgtcttgac cttgctcaaa acgggtgctac 60  
 taaatcaagt actacacaca aaaatgactg gcaagaggag catgtactgc tggatttata 120  
 gatgatttgg aatggaattt ttacgttcta gaatccctaa cccaccagga tgctcacata 180  
 tatgtttgac atgccacaag aaagacacag acaatgaaac atcttcggtg tctagaataa 240  
 gaactggaac gtcgagag 258

<210> 8380  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8380  
 tattgatgag atctcccata tgatacttct cagtcattgta ccattttgga tattcgctct 60  
 ttcaactgtat atattgtgtc ttgtgtttgg agtgtaagtc tcagatcaga ggatctgttg 120  
 agtctatagc ataacccaaa tggagctgct aggatttatt ca 162

<210> 8381  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(210)  
 <223> n = A, T, C or G

<400> 8381  
 gctactagtt atcctactaa gagaaaaggc aacatggaca gcttcaaatt tcgcaatgta 60  
 agactagcca ttaactgggg cctggacgtg cgcggcttaa ctttggacat aaccacatag 120  
 cgataaattt tacgacccca gtgaaaacaa tgatttccat acccagctct tattccttca 180  
 ccataaagat tctgtgtnag caatttaaaa 210

<210> 8382  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<400> 8382  
 ccatagcccc tgcagagatg aatccagggtg gaagaatgca gaaaagcttt agaaggcata 60  
 gatgagaaga ttagcaatga agtcttaaaa agctcaccat catatgcaat gaggagaaaa 120

atagaagaaa ttaacaatgg gcttcataat gttgaaaaga tgttgagca gaaaagcaaa	180
aattattgaga aagctcacga aattcaaaag aaaatgtggg acgagttaga tctatggcat	240
tccaaactaa atgagctgga ttctgaagtt caggacatcg ttgaacagga cccaggagag	300
gctcaagaat ggatggataa attgatgatt cctttcaagc agtatcagca agtatcacag	360
agagcagagt gtagaacatc acagtagaat aaggccacag ataagatgga ggaatatagt	420
gaccttctga agagcactga gggctggata gaaaatacac gtcatttgct ggccaatcct	480
gctgactatg aatctttggg ggcaactgag taccatggta gcgatgtgca gatgggttag	540
gaagaatcac cagcggaagc aa	562

<210> 8383  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8383	
actggcagct acgagcaagg ccagcccgcg cagcacctag atagaaggca cgtggctgca	60
tcccagcggg tacagcctcg cgtcttttcgg gactcgcttt ctctgttcg cgagtcgtgg	120
gctctggggcg ctttatcccg aggaatacta tgacagtgga catcaaaccg agcgctatag	180
caaggcagaa cccgaggagg gagaaagacg ggagccggtc cttgaaagcg ccaggagaca	240
gc	242

<210> 8384  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<400> 8384	
tggctgcgca ctccggcctga gaaactcggc aagcgcgcag tgcgactcc ccggctctatg	60
ccaggcgcag ctccaggaacg aggtctcact atattgccca gactgggtctc gaactcctgg	120
gctcaaacag tccccctgcg ttggcctccc aaagtgatgg aattacaggt gtgaatcact	180
gcatctgact atggcaagga tctctgtcac tgaggtaagt ttggcttaga gattaaagct	240
ccttctatct tgtgatgccca ccatcacaag gttctcaagg ttgttggtggg agaagagaag	300
gctaaaggag ctcatagaat gcctttaatg ctaatccaaa agtaaatgag aaacttagaa	360
aaagattgcc aattccaaat caacatattt agagaaaatt ggaaaaggag aagcttacta	420
cagctttatt tgaggacttt ttaaagaacg ctgggttcta tctgtgagct gcaaactctg	480
gagcaaaaac cagagacatt gccagagcaa acaagaacag aaatacaaat ggagaactgg	540
tcaaaagaca taaccacag ttatcttgaa caagaaacta gggggataaa taaaagtctg	600

gagggcagatg aggcaatgaa tatgaattct gagaaaagta tggattggaa attcaatgaa 660  
 ttaatttaaat gaaattaaat gtgagaaaaa agaaagg 697

<210> 8385  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8385  
 aggtgagttg ggagtcagtt cagaaagggc agaggggtccc acaacaggac cagaacccag 60  
 cgggggaacc tggagagccc cctgcgtggg ccaacttact gttccatcgc tcaccacct 120  
 cgcgccaca gagagccctc ccacactgcc tggcctccct ggccaccaag gcgctgccag 180  
 aagacaaggt caccagataa tctgtcctca gagagggctg agaaccacc cggggcagta 240  
 tggaggaacc ctaaagaggg agaaagcaaa atgggtgaga gtccaaggga gggagggaga 300  
 gagagtggct gcagcgggag ctgagaggag ggaggaggct ggctgggatg cacttgatc 360  
 gggagcaggt ccagggcggg caattc 386

<210> 8386  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8386  
 gacaagcata agtacatact ggaattaaaa tactctaaga agaagaatcc taatgcatgc 60  
 caaataagtt ctaaataatgc taaaccagcc ttcaataaag ccatatgacc aactgataac 120  
 aacaatctaa atactataca aggtacttgg cgcaagattt gatggagaaa agaccttcac 180  
 atcaccacct cagtccttca caggccaggt cctcctctct ctgagacagt agggctgaac 240  
 ccggggacac ccagagccc tgtaacacgc agccagcagt ctgctgagct cgttgtgcag 300  
 acgacaaagg gaacacagaa cttgggtctc aggggctggg caggcagatc caagcatgag 360  
 caattagatc aaaatagaag ccttggttca aagaaaaaa ttgtattctt ctaagtga 418

<210> 8387  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8387  
 ctgatggcgg tagcagcgcc cagtcgagca cggggcagcg gctgccgggc agggctctgg 60  
 gcgcgagggg ctggggcgga aggtcgagag ggcgaggact gtggcaagggt ggggctgctg 120  
 ctggagccct catttgagat cgatgacagt gacaacttac ggaagcgggg atcaatgatc 180  
 tggacacagc aggatggtac cttgtccctg tcacagcggc agatcagcga ggaggagcgg 240

ggccgactcc gggatgtggc agccctgaat ggcattgtaca gggtcgggat cgaaaggcga 300  
 accggggcac ctggatggac tgcaagctgg tggctatgtc tcactcctaa gtcaatgcgt 360  
 gacccccgct 370

<210> 8388  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8388  
 tactcgaatc gttgtgattg ttggctgaat gtttcaggct atatattgtaa gagatagtag 60  
 atacatgtct tattcttaac tccaagaatg cgtacttttag gtgaggggtat tatgaatatg 120  
 attaatccac catgtaatca tgactatttt agggctatta ttggcgggta tgggtgatcc 180  
 atagtatcct ctagcttctg gcaaatgatg gtgactgctg tatcta 226

<210> 8389  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8389  
 aatgatgttg gattatgttg cctgagatag caacagaggg atagggtgggg cggttaaggaa 60  
 ggtgtatgat cttttcgcta tggcgggttac cagtaatatc caggatccta ttatcgagtc 120  
 actcgtctac atatgtggct gagggcaatg ctgtaatgtg aaattcgact gtatgggtgg 180  
 aagataccat atgcctgcgg taacccttcg atatactctg gaatagtact gatttggttc 240  
 gtttttcaaa ggtagagctt gactcgacga accc 274

<210> 8390  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8390  
 gtatcgtgat tgtgaacaga ttatgggtgca agtggtattg aagaatccaa gtgaagtaag 60  
 ggacaggcgg tgtatcactc aaaccagtgg gataacacag gtaccacact acatattcct 120  
 tccgtaggct ggatacacca tgagtcttgt catagaacag cc 162

<210> 8391  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, T, C or G



<400> 8391  
 atgtctgtcg tctccataca tactgggggtg tacagtagat gtgatgtcag actcangatg 60  
 gttatgtagt ataagactgt tttaacctgc tgccatttga ttgacttcaa cagaanagta 120  
 gtactccac tatcggatag tttcagtgag tgataatagc tggctcggat agatgtcatg 180  
 gattcatccc agtc 194

<210> 8392  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8392  
 ataaaaatgaa tggataagag tgtggataaa ctaagaagga aggagagggg aaagagatga 60  
 agaagattag tgatggggat aggggattga aattattaga aatgaaagag gaatagaaa 120  
 aaaagtgaag gtattaagat tgagttgata aagtaaaagg aa 162

<210> 8393  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8393  
 agtggttagat ttaaggtatc ttatgaacag aagtaaatta gattgatagg aaagaaatag 60  
 taatggagtt tgagtaaaga aaatgaatga tgtaataaaa aaagtaaaaa ttgttgaaaa 120  
 tgtgaaagggt gagagtgtta taatggggaa tgtagatata gaggtaattt aatattggat 180  
 tagagtatta gatataaaaa atgaagtga atgaaaatta tatattaata ataggtgata 240  
 atggtatgta tttgttat 258

<210> 8394  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8394  
 ggttttgaca cctggggggg cccaaacaca gggacaaaca ttgtgtgagg ctgtcgcttg 60  
 aagaaaagca aaatctaccg ggagggctgc gcgcagggcc ctcaaaaagg gggggcaaaa 120  
 caactttatt ttaatagggg gtattggccg gggggtgggc ttactcgagg tgatcttggc 180  
 cccgccccca cccgggatgg gccttaaate cataaatggc ctggcctttt tattgcggtc 240  
 ct 242

<210> 8395  
 <211> 386

<212> DNA  
 <213> Homo sapiens

<400> 8395  
 tggaggaacc tcaggaaact cgcccagagt cacagagtgg gtaatggaga cagcaaacat 60  
 gtgccgacca cttagtgcac accaggttcc taagggtctc tcagaaccct gaaataatcc 120  
 tgtggagcag atgtgatata gacccgtatt tcaaatgagg ggatttgggc tgagggtggg 180  
 tacgggactt gcctgaggtt aactgaggtg acaagcacca gagccaggat tcgaaccaag 240  
 gccatcgggg tcacaggcac acactacccc ccttcctctg ctggctctga caactcaaac 300  
 cgggctgcag catgggtgtg ctctttccac caagggaccc ctgggggtggg gctgtttggc 360  
 ctctattacc gtccttatt tcttat 386

<210> 8396  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8396  
 ggtttggcgc atggataatg agctggacct acatgatgaa tagaagcagg gatgatatga 60  
 taaaagacgc tgggctttta ttgatctggg gtcctttcc cgggggagtc cggtgagtcc 120  
 ctttccaggt gggtttgcac tcacacgagt gggcgggatt atcatccaca agctggccaa 180  
 gccctacct gtgggaggct tgatggcagg gcaccatggc tgaaatacac gcttggggga 240  
 acagatcaag aaagaaacta cgcacaaaaa gtgagcgggg catgcacca 290

<210> 8397  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8397  
 tgcacccctg aacacctgtc tgggggcggg ggggtgggtgg ggaggagac ctgagccgag 60  
 ggactctgac gagatttggg gatgtcctac gggcaggagt cattgtatgg ggggtgtggg 120  
 acagtgccta gaccacaggg cacggcctac tcagaagggtg ga 162

<210> 8398  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8398  
 gaagagccct ctgctggcca accctgttgg aagaggacac tggggatggg agtggcgagg 60  
 tgcagggccg accggagaca ccggcagaag aagagatgga gacagacacg gaggccggag 120  
 tgtctgcgga aaaggagggg gatgacacag gtgccctgct ggccgacttg atcgactgag 180

cccctgatga tgagaagcca gcacctccca tgagaccga ctccta 226

<210> 8399  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8399  
accaaataaa ctacaaaagg actcatacgc tactagccgt gagagtctct cttgctgtgt 60  
tgacgatgac gagggtggt ttctgaacct gattgacatt gatgaaaacg gatgcatgta 120  
ccataatgcg tctacctgac atgtgggttg cgagcacata ga 162

<210> 8400  
<211> 354  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(354)  
<223> n = A, C, T or G

<400> 8400  
ggaagcccg aagccaata tagcagatgt cagcagacc agctttgcct gcaagctgaa 60  
agaggagacc cttccttgct tgtgtctagc ttctggtgat cgtcagctgt cctcgggatc 120  
ctgnggttcg cggcacgtca tgaccatctt ggctgctggc accgcggggc atcctcctgg 180  
gtcttcacac tgccttcctt ccgcgtgtct caggctctaa attagccctc tactaataag 240  
gatgccaatc actggattag ggttcacatc attctagtac aaattcatct tatatatgat 300  
tacatactgc aaagatccta ttacaaaata aagattaatt aatagggtccc aagg 354

<210> 8401  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 8401  
aaactaaaag ataactcgcg agggaaacca ccaaaccac aaccctaagg gcactgatgc 60  
aaccctcaa gaattgtagt gggaacacag gtcactgcc ccaattctcg ttgaaacatg 120  
actcttcac ttatggaatt catatatata ttctgcaagg acgaggcagc gaaatgtggg 180  
aagtgacgac actgatgggg aacactggga ctgaggtcac ggagca 226

<210> 8402  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 8402  
 gccgcccctg gcgaactcca ttgtcggggg gcctctacca gccgcccctg gcgaactcca 60  
 ttgtcggggg gcctctacca gccgcccctg gcgaactcca ttgtcggggg gcctctacca 120  
 gccgcccctg gcgaactcca ttgtcggggg gcctctacca gccgcccctg gcgaactcca 180  
 ttgtcggggg gcctctacca gccgcccctg gcgaactcca ttgtcggggg ggctctacga 240  
 gccgcccctg gcgaactcca ttactggggg ggcgttacga gccgccccgg gtgaactcca 300  
 ttgtcggggg ggccgtataa accgtcccgg tgaacttcat tggaggagg cctctataac 360  
 caaccctgg cataattcaa ggctta 386

<210> 8403  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8403  
 ccagaaaggc ccgcacctgg ggaagctggc gaacgctaac cgggaggttt ttcttcaga 60  
 cttgattccg ggatgttgag atcgttattc gaaatagact aacattcgaa tcgcctgtga 120  
 tggaaggagt ttctgcaccc gtagcctggc ctcatattt ctgcaaatgt ttattgggtc 180  
 cttgcccttt acaagatcct gtgctgtgag caagaacaag gctttcatgt ggaaataagc 240  
 cggcctttgg ttgaccaaac cgaaactcct ctgaatggaa aatcaagaaa aatttgaaa 300  
 aaataataaa atgttcaatg aaatggatat aaatatattc ttgtttaagt aggc 354

<210> 8404  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8404  
 acagaacgag actccgtctt aaaaacaaca gcaacaaca aaagatcttg atgcctctga 60  
 tggagctgaa catttattat acagcaacag cagcaaggat tgctggtggg cagactacac 120  
 tgtagggcac ctgctcttct gtaagaatct gaaagacact attgtcagag ctctgccctt 180  
 ttggaatgaa gaaataattc cccacatcca ggaagggaaa caggtgttg gtgagggctc 240  
 tggcagcagc ttttctggca cagtcagacc ttgggagggt ctcccgcaa gggccatcat 300  
 ggagctgagc ctgcccactg ggtttcccat tgtctatgaa ttgtacaaga agaggctgaa 360  
 gccattgaa gctcatgcag gtcccaggag aagaaaaagg tg 402

<210> 8405  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(450)  
 <223> n = A, T, C or G

<400> 8405  
 gtgtctngac accctccana ancaccagga gnagaaacag ctttccttgg ctttcccagc 60  
 caaatctccc tctgcctctc tcccctgggtg acgacaatgg ctgggggtctt gacttgccaa 120  
 gatctggaaa cggagaaaagg actggatctc caaacttgga ctgccttgga ctgaccctgg 180  
 cctgggaagt gtgggctcan gactccgagc tcaagtcagt ctgttcccc aacccccaac 240  
 ccactgcac cgggtgagga agtgggcgag agcgccacag cgcacatagg ggtgttagga 300  
 gcgaaagact ggagacccaa ggactgtggg gctgggggtgg tgggggcact gctaccgact 360  
 aaacaagtcg gggcgggctg gaaaaacgaa gggggattcg gtgatggggg aagccaaggg 420  
 acaaggga aaaggaaagg cgcattcttg 450

<210> 8406  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8406  
 ttctcttctg taccttccct gcacagcctc ctccccagcc tggatccaca gccaccatcc 60  
 catcacttgc ctgctgcaag taccctcagc actgcgcacc tctctcccag ctggcagaaa 120  
 ccagccctgg ggaatccaac tcttgactt ctctacacct gcacacaggt tggcaggagt 180  
 tgccagaggt cttggcacag cagcctgggt ggaatcacag agcaatcctc aaccttggcc 240  
 aggccctcac tgcccacctg gcaaatcctc aagtgtgacc ctagtcatct ttctcctttt 300  
 ggggtgtttc agactttctc cacaagtctc agacaagctc aagtcactcc cacatgaaaa 360  
 ataaaaacgg gctgggtgtg gggggcatg cctataattc caacctaata aatggtaatg 420  
 gaagaattcc tgggaaaaaa aatcttaaat 450

<210> 8407  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8407  
 gacaggacga gactccgtct taaaaacaac agcaacaaca aaaagatctt gatgcctctg 60  
 atggagctga acatttatta tacagcaaca gcagcaagga ttgctggtgg gcagactaca 120  
 ctgtagggca cctgctcttc tgtaagagtc tgaaggacac tattgtcaga gctctgccct 180  
 tttggaatga agaaataatt cccagatcc aggaggggaa acaggtgttg gttgaggctc 240

ctggcagcag cttttctggc acagtcgagc cttgggaggc tctcccggaa ggggccatca 300  
 tggagctgag cctgcccact ggtattccca ttgtctatga attgaacagg aggagcttga 360  
 agcccattga gctcatgcag ttcccaagag acgaaaaagc tgtgcataaa gccatggaag 420  
 cgtggccttc ttagggcagg ggcggagcgt gaaaggcggc agccgggtccc tctcctgaca 480  
 acaccctccc aatctgcccc attcctctat gcctctcacc tcaacgtgtc 530

<210> 8408  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8408  
 ctcttcttgg ctgcagccaa gattctgggg gctggggtgg cgggtggagg tggggtagga 60  
 gggataggaa aggcaccggg acaggcacgc gaaggaggga gccgcggaac aaactgtcgg 120  
 ttctcagcagg cccccacgaa accgcaagat ctgcaacaac gatacacagc aagccaaccg 180  
 acgcaggcag agga 194

<210> 8409  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<400> 8409  
 ctcttctctgc attgtctgtg gtgtgacat agcagattat atttggttcc tgaatgtttg 60  
 tgggtgctaatt ttctgtgttt gttccaagcc gttcagtcac gccatgcgct gcctcggtag 120  
 atggagtaat gtacaatgaa ctccatgagt ctctccaggg ctgcctgcag cacgtctttt 180  
 ccaagtagcc tatttggtatt cccatctcaa atgtcctgga tgcgagcgtc agcggctcca 240  
 gagctcgggg cggggtgagg cccctttggg gaaccctttc ctggccatcg aggtcggggg 300  
 gctgccgtct gtgggcagga ggacccgagg ggcagccagg aaaggcgatc tcttactgt 360  
 gaaaagtgtc ccgggtgcag cgccttttcc ttctaccatg ggaaatgcag gctgggacct 420  
 tggggtgagc ctgcggggct ctggtgctgt ccccgacccc caccaccaac agaatgcagc 480  
 tccagcttaa ggaagcccaa acaagccacc cagggagaac aaaacaccgc cagcgtggat 540  
 tttccaaatt tccctgggaa ga 562

<210> 8410  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8410  
 atttttaaac atccaaatat ctgtaacatc tgttataaca cttgacatat gcaggtcaat 60

```

aaattaaact attgctttgg gagaaatgtg cctgaattgt tcactataag tctctgccgg      120
gagttattca ttcaagtaaa caaaagatgg cctattttctg aaaattaaca atgcgtagac      180
tggaactgtaa gtcgtgattc cgtattttct cgagttacta gctccatcat tagcaacatg      240
agaatgtgca atgccaccat gttgaagtat gattaatcaa catcttttct gaaacaaaga      300
ttttttttcc cccattgcag aatttgatac aagagggtatt ctgggttcctt ggggggctga      360
aaaaatctgg ttacgctgg ttggaaccgg ggaattttct ggggttaagc tttttgctgg      420
gactaaaatc aaaactgcac tgcagagcag gtgagggttc atgcgcgcgc gccacaaaac      480
acacatatag agaattaaaa aaccatttgc catccatatg ggaatattta      530

```

```

<210> 8411
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(472)
<223> n = A, C, T or G

```

```

<400> 8411
gtggagtgta ttgtagcatg agattaaggt tttggcacat ggggtggagt ggggaccgaa      60
tgggatatct cagttttctg ttgaagccta ctatagacgt tcctgtcatc gttcgactct      120
ctctcacgtg cgcactgcc cgtgtgatta gtatgtgaat accaccggtg tatgggattc      180
aatggatatg cttgacgtta ggaagagat acttatagta atggggagtg gacaggggat      240
cttaatgatg cgagcctgcc aggcgggaag cgggcagact tgcgggttct tcatgaatgc      300
agagggtggt gggattgggg ggcttactgc cgcgactgtc tatgggaatc ccatgagctg      360
gcctctactg atggaatatg ctgtaaagaa tgacggggta tggggatggg tanagtttga      420
aatttgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag ca      472

```

```

<210> 8412
<211> 854
<212> DNA
<213> Homo sapiens

```

```

<400> 8412
tcacctgtct tctaattaga gcctcttact catctgtagc acgagtcatt tattttgtct      60
agtacaaaga atatttcgaa tactcatgac taaagagctc aggagttcta gctaaagaag      120
aatcttgaag cattggagtt ttgaaaatct gcataaagat tttgaagatt ttttaaagat      180
tcatattata acagtatacc gttggtctaa tttttcttaa tctactaaaa acgaaatagc      240
acaggtcaga tgtgacttgc ttgctttctg ctctgtaca atccaggagt gttaatcaaa      300

```

```

aagcaaaatt tgtgacatca gttttatttc catggctact gattgtaata ttacaaacat 360
gagattactg gctagttcat catgaagggt aaagaagatt cctccttga taggatctcc 420
aaaaccaaca ccaaggggaa tattatcaga gctgcttcca gcagcgtgtc ctttcaaaaa 480
tgttctcatt attctgagag ctttggttta ttttgtaggg gtttttatca tttgttgttg 540
gtgggttaata ttttaatttt atgtgcttgt ttgttttatt tattcctcca cccccagtga 600
cccggtgtaga aaatgggttat tttagatggt agaagccct ctgttaaaga gccagttctg 660
ccttcgttta attcttcttc cacaataag atttattttg gaacttcagt caaaaacatc 720
tgtactttgt aacagacaaa catctgcctt cctaccagag ctgctggcct tgctgatgtt 780
agataaatgc attttgttct ttgaagcccc tcatagagaa gagactgtac cataagagaa 840
gccactcat tttg 854

```

```

<210> 8413
<211> 594
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(594)
<223> n = A, T, C or G

```

```

<400> 8413
tggctcctna gacttgttac ctcaagtaga gatgttgggt ggacaacccc attcccatgc 60
caggcattct ctccactcat caaaccacag tcttctgctc tgttttctgt ttgttttgtt 120
ttgttttttt gagacgtagc ctgggcaaca gagtgagact ctgtctcaat aaaaacaaaa 180
catacaacta cttttgcggg atgctgtggt ttactgttgt gttgttttgg atctaacacg 240
ccctccagtt tattcactct tagccagttt ttccagccat atcttttctt tgaatatgtc 300
cagacaatat ttcattggtc aaaatattaa caaggataag atgaaaatga taaaaccttg 360
tgcttttcat tttcctacac agttttctgc atgtatcttg tataactaca taaggatatgt 420
tagctaaaaa aaataaaagt gtgtgtttgc agggaagcgg aggcgggggc gcgctgggtc 480
tgagtggagt cacagtaagg ctgtagatgg agcgccctgg gaagggtggt ttttttgggg 540
gtttgctcac cccggggaag gaggagttag ggtttgagga tgggtggagg ggta 594

```

```

<210> 8414
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>

```



<221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

<400> 8414  
 ttgntgggtga tctacattag aggggtaata ttattatattt ttcattcttc tggtatggaa 60  
 atgtaaatta ttttactatg tttcttttta tgagcattgt aaagatttta tgaatgttat 120  
 tattcatgta tggttatgtc tatattgaga tagtatgttg gt 162

<210> 8415  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8415  
 ggtaatatgt tggatgagac ttacatagaa ggggtatatt ttgataaata cttctaccg 60  
 aaatggaaga gtaaataatat ataacttgaa acattttatg agcattgaag acattaaatg 120  
 aatgatatta ttcctacatg tttatcgcta tcctgagatg agttgttatg ggtatgttac 180  
 agtagtaaca cttctgaata aataattgca gcattctacc atttaggttt ataggaata 240  
 gctatggagg gacggacact cttgacatga aacttataaa aggacagcgt gagagactaa 300  
 aaactacagg cttttctctc tcaagaacat agatagatga actttaaaca taatgcttgc 360  
 taactttatc ctagcgacag attaaaagcg cctttgggcc tccatctttt tttgttggtg 420  
 gggctattgt tgcggttggt gtaggcagca acccagtctc cttctg 466

<210> 8416  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8416  
 aataggcagg ttatgtggct tattactggt gagcgaataa tgtaaacgat gagcgaggcc 60  
 ggggtgcagg ctctgcaggg ctactggtga ggcacagagt acaaattgac atttcactat 120  
 gtttgtgtgg gcagacactt ggaaggtgtc tcaccgtgc acgagtgtga aggctgtgca 180  
 tagatcattc tggcgctcctg tgttgagagc agcctaattgc tcacgg 226

<210> 8417  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8417  
 acatgggtga aagaacatct atttagtgtg gagcagataa cagccatgtt gtttgactaa 60  
 acgtgaagga aaactgcgtg gaaaacagcc ctcaagaaa cccagtaaca gcattgtggt 120

tatttttcagg tccccttcct ttctttttaca ggatgctgga gaaggcgatc ctgtgttaag 180  
atgcctgcac aagatttggt ggccttaaac tgttttaaga cttatgaaat gacaatgaca 240  
gcctgttgct ttggaattac gggattttta taag 274

<210> 8418  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 8418  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
tttttttttt tttttttttt ttttttttgg ggaggggggtg gttttttggg ggggttaggg 120  
ggaaaagggg gggggatttt tttttaaggt ttttttttga aggggggggt tattaaaaat 180  
ttgaaaaggg gggaaagagg gtaaaaaaat ggaaatttaa aattttttta acaaatttg 240  
gtggggcccg ggcggggggg gggggggggg ggcgggaagt gacaggagtg 290

<210> 8419  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8419  
gggggaaatt ctgagcctgt cagtttggaa ttgaggttg acttgaggaa ggtggacttc 60  
ttgtgtattt gctgctgctg cttcatgctg gtttgtgtgg gctacctggt tgattatctt 120  
gcatgggtgg gtgttggtgg tggaaatttg gatcacgggg tg 162

<210> 8420  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 8420  
attatggaaa catgaagcta tttaggggtt tttttcccat aaaggaatgg aaaagtaatc 60  
cttttttatt ggaaaaagac cattatttta aaaatttatt gtttttctgt gtataagaac 120  
atcagttaca aatgaaatgt tatcaaatta atatcctatg cttactaagt ccaccttctg 180  
gtccttattt acaaaaaggg gccattggcc 210

<210> 8421  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 8421  
attatggaaa catgaagcta tttaggggtt tttttcccc taaagggaat ggataagtaa 60  
tcttttttat ggaaaaagac aattatttat aaaataaatt gttttttgtg ttatagtaac 120

atccagttta ccaatgtaaa tgtatatcca atataattat cctatgccot tatcacagct 180  
 ctactctctc tgggtcttca tacacaaata gtggctattg gttatccttt tgatcatctca 240  
 ac 242

<210> 8422  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8422  
 gccgggtcag ggtacacctc acctacccca cctccagtc atttcatttt aagttcatac 60  
 ccaaactata agaatatgta ataaataaaa ttcagcaagt tgtattttac ctttaaaaat 120  
 acacctatct tcccactttt tgtaagtta tttttaacat ttttatgtta tattatttcc 180  
 tatcagtggg gaag 194

<210> 8423  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8423  
 cgacctttat aaaataacga ctaaaacctt gttgtggaat tatggtatat agctctaaag 60  
 aaaaaattaa tctgggatta tatttagagt tagtagagaa gaataataga aattttactt 120  
 tacataacta taaaacatgg tctattatta atataaggac taaaagcttt cttggtggat 180  
 cttcaacaat ttaattctgc actttatata 210

<210> 8424  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8424  
 gaggtactgt attatgggaa aacatgtaag gctatttagg gggttctttt cccccctaaa 60  
 gggaatggaa aagttaatcc tttttttatg ggaaaaaagc acaatttatt taaaaaaaat 120  
 aaattggttt ttgtgtgtta taagaaacac ccagcttacc aatgtaaatg tttattcaaa 180  
 taaataatct atgccttagg aaaggtctac ctttctggtt cttattaaac caaaaagtgg 240  
 gcattggggt tccctttggt aacttaaccg ccagggggtc catttgggaa atccacccaa 300  
 tcaagtatgg taggtctggc gt 322

<210> 8425  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8425  
 tggaccggag gtaccaggt aggtagctag atgctgcttc cttagcatcc cacctgcagc 60  
 cttgacaagc ttcaactatc cagcagctcc tatatcacia accgcaccta cacgctggct 120  
 aaggaagtta gcttggctga taacaacaca gacgaacgaa tcaacgggga gaaaccgatc 180  
 catggagcta ggtc 194

<210> 8426  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8426  
 gtacaagctt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt ttttttaaaaa aaaacaaaaa acaaaggaaa 120  
 ttaatggggg gaaggggaaa aacggggaaa aaggggggaa aaaaggggga aaaaaaggga 180  
 aaaaaaaaaa aaacaaaaaa tcgcgggggg gaccaaaggg ggaggggggg ggaaaaaaa 240  
 aaaacggaaa aaaaaccaa accaaaaaaa ccgggaaaaa aaaaaaaaaa gcctccctct 300  
 ttcaaaaaaa agggggggga cggggcgggg ggaaaaaaa acaaaaaaat aaggggggcc 360  
 cgggaaatat caaagggaaa aatcccacaa caaaacaaac cc 402

<210> 8427  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8427  
 agcttttttt tttttttttt tttttttttt ttgtcttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt aaatcaatta aagaattatg aaatttattt ggggtacagg 120  
 aataaccggg gcaaaatggt gggaaaagt ggtaaaacaa gtttacatta aatttactta 180  
 caattacggt ggggtacatt tttggaagg gtgggttttt aaaaaaactg gcttaaaatc 240  
 ccaaccttaa atattttgga aattaaatca ttagcttttc ttttttttta ttaaggagg 300  
 gggcttggtc ttgggtttat ttaactttta cattaatggg gcacttggtt atcttatggg 360  
 ataattcttt ttctcattta agcctcccca caaccttga aagggtattac cccattttta 420  
 tggggggaga aacaggctta gaaggggaaa 450

<210> 8428  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8428

```

ggcagaacga tctgcactct ttgttttaggc atgttggtt gacaattaat aactttcatc      60
tgacttttat aaggaaacgg acatgcttgg aggctgagga tgcttaatgg aatgataaca      120
acacagacgt gggatatatt gatgtgacag tgattgacat attcagtctg tacgagatct      180
gatgattgaa tgag                                                         194

```

```

<210> 8429
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) .. (354)
<223> n = A, T, C or G

```

```

<400> 8429
tctgactatg gaaacatgaa gatattttacg ggtgtatgcc actaagagga gaggaaagaa      60
atatttttta taggaacaat accataatca aaaaaaaaaa ttgtttattg tgtataaaac      120
acaagccaca acgaaatgac atgaaaaaat atttatgatt angaaaggga atgttttggg      180
tttataaaca aaagtggcat tggtttactt tgtaagtaac gaaggggttc atttggaatg      240
cagcgataat gatggagtat gggtttaccat attttttttag gtaaaaaaaaaa aatgctctgg      300
ggcatataat ggttattttt aacgggggaaa ggggggtagt tattaatttt ttta          354

```

```

<210> 8430
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<400> 8430
ttacatatgt tgtagcata agacactggc gatgtaactg ctctaaacaa aacaccgaaa      60
gttgcctat gcaatatata ttattatata catatatata ttacataaa atactaaaaa      120
agtgaagcc aataataaca ttggataaaa gtaatacata tctgctaagt gacaatatca      180
aaaaaatcaa ggaataattt tacaataata taaataaaaa gaatgt                    226

```

```

<210> 8431
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<400> 8431
ccccccctt tttttttttt tttttttttt ttttttaaaa aaaaaaaaaa atcatgagaa      60
atatttgggg acagagaaaa acagggacaa aaagtggaga aaagagggtga aaaaaaattt      120
acataaaaata tacaataaaa tacgtgtggg gacatatattg taaggagggg gggttttaaaa      180

```

aaaacgggta aaaaaacaaa acttaaatat ttgtcaaaaa aaaaaatttt cttttttttt 240  
 ttttaaaaaa ggggggggag tatttttttg gttaaaaata atataaaata aaagtggaac 300  
 ttgagtat ttatggaaaaa ttttctat tttttataacc tcacaccacc cttgggaagg 360  
 gttataccca ttttttgggg gaaaaaacag gggtaaaaga gggaaggggg atattttgtg 420  
 cgcgcaaacg ctttatgggg ggaagatttg gtaattgaac ctataattgg ggcttctttt 480  
 taaatataaa atattttg 498

<210> 8432  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8432  
 gctcactgta gctacagcat agcagaccag tagagccaga gaccctccat tcaacacata 60  
 atgggaacct tcttccttat aaaggcggca ggcgccacct tcaagaagcg aaaaacctaa 120  
 cgcgacgcaa aagttatcac actaaacagg acaacctccc gactccactt tgcccact 178

<210> 8433  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8433  
 actgattgtg gcaagcatga gctatattag gggacttgct aaatagagga gtggaatgtg 60  
 gtaaaaatga tggaaaaaga caagtgcata aaaaggaaaa tggcgtgtgt gtgtagaaca 120  
 ccagatacaa tgaaacgtca tgcataaata tctatgctta gaaagcatac ctcattgtca 180  
 tatgaacaaa agaggcattg gtgtaacttt gagaagaacg cgggggctga tctggaacac 240  
 gagaatcatg agggggacag gaaacccatc ttgactatgg ggaatgaaca tagctgagac 300  
 ggagcc 306

<210> 8434  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8434  
 cggagtatgg agaaatgaag ctatgtatgt gattgatccc ctaaaagaat ggaaagtat 60  
 ctttagtatg gaacaacaca attatatgag aaagaaaatt gtagtctgtg tcttcaatac 120  
 cattatagat gtagagatgc gtatcaatag aatattgtat gcgttagaag agaaatacct 180  
 acattggacc ttat 194

<210> 8435

<211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8435  
 gcacgattgt acatgcgtgg cgccaatcaa caatatataa cagcaccgaa aattattgtt 60  
 gcatgatgca tgtttgtgtg gttgctcaca ctgcaaagga ctgtataata ggggatgaaa 120  
 cgggtgctgcg gtgacatgat gatggatcgt ggtgatatgc atgattgacg agctgacact 180  
 aaccatagaa gatgtggtga tggattaata tgataagtca cagacaaaga tgcaggacgt 240  
 ggtgcccgcac aatgccagct atgacagcgc gctcatgacg tgtcatatca agggatgatga 300  
 cagtgatagc cagagggatg ctggatagca gatggaggca gggacaattg gtgaatagga 360  
 gtggagagag catagcagta ggagaactgg agaagctgcg gtgtgtctct gagtgcagct 420  
 ggaacttggg caagagatta ggcgtgaggt gaacatcata ccacctgccc ccgccagacg 480  
 tgacaatgat aagccacaat gcgtatgctc tcca 514

<210> 8436  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8436  
 acaagctttt tttttttttt tttttttttt ttttttggtt ttaaagttta ataatgaaaa 60  
 cacatggaat aaagggggta atccatgtat tggaaacagc agaaaaagga ggaaagggga 120  
 ccatcccat aggggacact aatctttggg gtaactaaa ataaataagg gaaataacac 180  
 ttaatacaat aataaagaaa aaaaaaaaaa ttacattaaa aaaaaaaca ggaacggggg 240  
 aaaggagccc gggattggga ggaaaggcgg tgcattgaaa agaactcagg ttcaggggac 300  
 cttcttgga acattctggt gt 322

<210> 8437  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8437  
 caagctttt tttttttttt tttttttttt tttgggtta ataataaaaa cacttggaat 60  
 taacggggta atccaggtat tggcaacagc aaaaaaaaaa ggaaagggga ccatcccaaa 120  
 aggggacact tatccttggg ctaaattaat ataaataagg gaaataacac ctaataaaat 180  
 aatacagcaa ataaaaaaaa ttacattaaa aaaaaaaca ggaacggcgg aaaggagtcc 240  
 ggagtatggg ggaaaggcgg gtaagggaaa agcatccagg ctcaaggggac cttccctgaa 300  
 aacttccggg ttctgagcag ctcaactcag tcccaggcat aacacgtacc ccgg 354

<210> 8438  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8438  
 acctcaaaact cagagtttct tcccttcttt gattttctgg aggacctgca gctggccttc 60  
 ctgagacagg ctccattcct gttccatttg ccttcccggc agccttcctt ttagtgggta 120  
 taggttttga cgttctgagt tactttgtat caaagagcta attaaaaatg gtccttcaaa 180  
 aacataaaga aaaacagctt gaaaaatgta cctgcccggg cggggggggg aggggggggg 240  
 gagaaggggg gggggggg 258

<210> 8439  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> n = A, T, C or G

<400> 8439  
 tgtgtgcagg cttatgaata tgctcangtt taatgagatg ctctgttgta atgtgatagg 60  
 ctgtggaaac aacaatgagt ggaatgacat caatgatgcc aatgaaattg agcatgtcaa 120  
 ctagcgcattg aaaaatgggc atgatcatca aagatgggtg gacggtccat aagcgtgcga 180  
 cgggccatac aaggactttg tgccggaaga acggtcttga catggggata ggtaagcaga 240  
 tgggcatatg tgaggggaac ggtatcttgg ctgctgacat cgcgatcgct 290

<210> 8440  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(434)  
 <223> n = A, C, T or G

<400> 8440  
 ggtcggccng ggtcaagcct gcgtatcaga atctgagaca gcgtgttggc aactttgttg 60  
 caaatcactt ggcaactcac acatggagtc cgcattctca taagaaccag ctaagaaaca 120  
 acattaaaca acaagtcctc aaatcaggaa tggtggagtc tggattgac cgaattat 180  
 ctcaggttgt ggacccaaag atcaaccaca cattcagacc tcaagtagag aaagctgtgc 240



atgagttttt ggccacgcta aatcacaaag aagaaagaag tggcaacaca gctcccgatg 300  
 atgagaaaac agacacttcc cttattacac aagggtgtcc tactcctggg cccagtgtcta 360  
 atgtaaccaa tgatgccatg tcgatattgg aaaccataac ttctcttaac caagaaaaca 420  
 aggctgctaa ggct 434

<210> 8441  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8441  
 gacgggctcc acaaacaatc acggtgtggc aactcaaac tcacctacgc agaacctaaa 60  
 gcggtgtgtg aatttgaacg cggacatatg tcatattaga atgaaatata ggcattctga 120  
 aaaattgtat ttctatgtgt agagatgaag gaaggatggg tataggctta gcttgatact 180  
 gcaaatataa accagggatg ggggtgtagg attgtaaaaa caggatgat ctgattattg 240  
 taattcataa cattaggaga gagataacgg actaatattg cttcaacaga taaaccaaag 300  
 aaagaaggag tgccataaca tatactctgc acacaatggg acctacagct tattaactg 360  
 attttctttg tgctatatct gctaaatatt tgttgataaa tgtccacttg ttggtctccc 420  
 atactgtacg aatgaaacct caatttacg 450

<210> 8442  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8442  
 ggacgtgtac ttgagaaaag aagagtaata atgaatataa cttaatcaat aaaaaaaca 60  
 aggtatttaa aaaaagaaag gaattaagag aaaatctgaa tagatgtatg caagtgtaa 120  
 cttaataatg attagagtat tatttggata actaaataat aatgaatgaa gcagagactg 180  
 aataataaaa taattaggag tagactaagg 210

<210> 8443  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(434)  
 <223> n = A, C, T or G

<400> 8443  
 gtaccggcct gaagataaaa tgaatgaaat aatgaatagg catatcaaat gatatatagt 60

aatatacgtg ggagcaacta gcaatgctga taaccttgaa tgatgacaaa acaaaattgg 120  
 taaaatagaa gaataaatta ccaatacaat atactagaca ttgttaaacc acaatgggtat 180  
 agtgaatgca agaattatga gtgaaacaca cagtgaatag agaagcgaga tacgacatat 240  
 gaaaagacag tgtaattctg atggtnngta atgggtgggtg ggataagact ctatgatcac 300  
 atagctgaca aggcgataat aatgatcaa aaaacatatg gttggagacc atgcgctggg 360  
 gactttttct gtaggatatg ggagtggaca atctaggtcg ccaccgct aatcactaat 420  
 gtattcgcg cgc 434

<210> 8444  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8444  
 acgtgtactt gaaaaaagaa gattataaat aagtataact taattattaa aaaatacaag 60  
 ggattaaatg aaagagagta gaaaggaaaa attggaatag atgtagacaa gattgatgtt 120  
 aataattgat tagagtatta tttgtataga aaattataat ga 162

<210> 8445  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8445  
 gacgtgcaca cctgaataaa ttgtatgcta tactaacttg ccaagattac cacaacatta 60  
 aaaacatatg tatacattaa tgttctggca gtggactatg agaaaaaac tgaaatgaat 120  
 acagtgatgc atgtagaaca tgtcatgtgc aaactggagt ggatgttgag gacggagcaa 180  
 tgagaatctg aaaactcaca gggatgaaaa aaataaacga tactta 226

<210> 8446  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8446  
 gagtgcacaa caaaaaagaa gtgtataaaa aaatattgca tgatttatta aaaataaaaa 60  
 atattagaaa aaaaaaagaa ttaaataaga atttgataaa ataaatacaa gaatacttag 120  
 acatatgata aaaatatgat tgttctacta cattctaatt aagaaaggag attgagagat 180  
 aaataaagaa ttaagagtag tgaaagagta atgagtaaga gtatgaaata gggatgtaat 240  
 ga 242

<210> 8447

<211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

<400> 8447  
 aagtaccaat gtgctgggag gacccaataa ttgatgcagg ggtgtggggg gttacactgt 60  
 gactaaaaaa accacataac atcataactg gaacatcact atgttgggat ctgtatctac 120  
 agatcacata aggaaggga gtcgtggaga naagcatggg gt 162

<210> 8448  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8448  
 cagggttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagcttg tacaagcttt 60  
 tttttttttt tttttttttt tcccagtatt cataaaataa attttttaga ttggcctata 120  
 aaaaaaaaca tccaaccacc tttccctagg aaccttttga acaccataag aacaaaagct 180  
 ctaacatata ccta 194

<210> 8449  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(513)  
 <223> n = A, C, T or G

<400> 8449  
 gggtagcaaa tacaccgaca aaagaaaaaa agcagatggg ctgctagggt tctgctttta 60  
 aaaaatttca tataagaatt gggtttcaag caggaagcca gaacttctgc ctctggttct 120  
 taaattaaca ttcggtgtgt aatggacaat aggcagggac tcataatttg actaactcac 180  
 atgctcaagc atgatcgtgt ccaatttcta caggcctoct ttgtaaagaa atgtgtaaca 240  
 atgggggggaa agtcataatt ctacctgaaa acatgggattg taagaagaaa taaaaaatc 300  
 aaacagtatg ttttaagttt cccttttgat actgtgtttc agggtaagt acagcttctg 360  
 caaaccaaga ctcaagtctg attataaagg atttttaaaa ttacattatt aaaaatatgt 420  
 atttattctt ctttcacttt atctattttc caaagcctct ttcaagtaaa ctgtgaagtg 480

cctgagtacc tgcccgggcg ggngtggtgg gtg

513

<210> 8450  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(638)  
 <223> n = A, C, T or G

<400> 8450  
 actagaaaag cctggctgcc atccatcgct gcctctgagg tggaggaaga ggcgggtgat 60  
 gtgctcactt ctgatcaaca tgtgttgcc cctctcagcc aacttctatc tcactgcact 120  
 cactctggtc atgataaatg ttcgtcacct ttctgcttca ttccttangg cctaaatcan 180  
 gaagctgttt tatcgatggt ttcccttttg gtcagtaacc agctttggat aatttcctct 240  
 gattattcaa gtcgtgggac aggtaaacta cattcagcan gaacttttct ncgagagtgt 300  
 tatgtcatgg aaaagacacc aaacacagca agtattgtaa tgaatacacc atcccagggg 360  
 tcagtaagct ctgcctgcc agaagacaca gtgaggaggg tccacagtcc tgatgangtg 420  
 gcgttttgta actttagtag cctagcatgg ccagggtctg tcacccttaa gaactttctca 480  
 gagaaactag gaatcttcag tgaaagaact aatgttctcc tcagctgaaa ttcccttgct 540  
 tgtcagcatt tctgcaaagc tcacacttgt ttaccatac ctcccttgga tgtgacatgt 600  
 angtangaag tatgtgcang tgggagtcac ttgttagg 638

<210> 8451  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8451  
 tacatgtcac accaccgcca tgttttgttg attgaatcgg cttgggtatg cggcctccgc 60  
 tgactgcatt ggacattgat ctcggggaga cgtgaagagg atgtaagggt ggctatgatc 120  
 gctaatagca ccgagtgcct ccttctgtga ggtgactgag ac 162

<210> 8452  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8452  
 gtgcatgcta tcaatgtgtc caattcccac atcctgagct acgcactgga agacatgcct 60  
 aagaaaatag acgaaatata ggtacttctt gatgacagac gaagcataag ataacatata 120

atagtataga tgaagcaaat ataacgacta aactaatctt acataacaat gcattacatt 180  
 atttgacaca catgggtcatg atgtgattaa gataagatag acaaatatga agattaaatg 240  
 acataatggg tgtgaaagaa cgaagtgaat tgatacacac actatggtaa tatctgtatg 300  
 atatacacta atactactga tcatacaact aaaacaaaaa acaaagaata tctagttcct 360  
 gcttgtcaag catgtgataa ctaatg 386

<210> 8453  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8453  
 tgcgtcatgc ttctcagttt cttctggtaa ctaatgacca agatgaccaa tacattgtca 60  
 acaatgccat gatataagat aaggtagtag aatggattat ttgatattta ttttgtaa 120  
 gtgcatcttt ttcaactcaa ttttatattt ctttatgatt tt 162

<210> 8454  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8454  
 ttacaactta taagaaaaag taaagggaaa cctcaacatg catgcaactg ctttgtgtga 60  
 ccagtgtgaag tacccccac gagctatgga ggataattta gcccgggaag cgttatgctt 120  
 ttcattattc aactgttctc cccaggggtg tgcttggtca aaattaaatt atttccatcc 180  
 atagccaaga tttg 194

<210> 8455  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8455  
 tttgatttgg ttaagacttg atgatatgga tggaacctca ctcttaaattg cgtgatagac 60  
 acacactcta tgcaaactgg gaagtttgac agaaagtctg ggtagggaaa cacacatata 120  
 ggcccttggtc atctggctag cagaactatc ctgtgttgag acaaattgcc cgtgcgct 178

<210> 8456  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8456  
 gccgatgtac gaaggaagcc aatactacat gaggtgtaat aatgcatacc tataactgca 60  
 ctcacctcta tgtaattgct cacatgccga ccaaggtgac aattttcttc actgctgaca 120

cttctgagtg atgatatcaa cgaatgaaca cgctgccact ctctgacaag acaactacga 180  
 atatcattat atataagaat agggaggggc tctgcttact aaagac 226

<210> 8457  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8457  
 gaggactgtg taacatgtgt cactgggcaa gctgtgccta taatactggg gatgctgtga 60  
 gagtatgtgt ttggtggact tgcagtgggt gtgatttgta agagttactt ttattttttg 120  
 taacattttc ttatgatcat gtctgtgttg ggttgatagt gaaggatata atgacttggt 180  
 ggttgatttg tagatattgt gacatcagac gggatcacgc taatcacttt tgtattttcg 240  
 ggcggtgtga agtctagcat atgggagagc tacataagcg ttggattcat acgttgaact 300  
 attctataat gtctgctatt ataggttggc gtgatgatgg tcataagtgg atactgtgtg 360  
 aaattgttat tggctcacta ttgtatacta tataggaacc ggaataattg gtgtaaagat 420  
 tggggtgcct gatgagtgag ttaaattgca ttaattgcgt tgtgctcact ggctgctttc 480  
 ca 482

<210> 8458  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8458  
 taggcatttc tgacatttta taaacctaca tttaagggga attttttaaag gaaatgtttt 60  
 ttcttttttt tgttttttga gggggcaagg agggaccaga aagttagctc ttcttatgtg 120  
 gaatattatc ataaaattac cttagtaa at gccatgttta taatctaate tttcaaagta 180  
 ttgaattgat gtctgcaatg cccatccttt cttcttagga attgga 226

<210> 8459  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8459  
 aggtgtcaca tgtagagcta gtcattataa tatacctgaa tggtatgtat tcatgcta at 60  
 taatataatt tgcaccaaca aaaacgtcaa acaacatatg tggttgggag gtctttatgt 120  
 aactctgtat ataaaatata atgcacgttt ttcccgttgt tt 162

<210> 8460  
 <211> 674

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(674)  
 <223> n = A, C, T or G

<400> 8460  
 ccatgaagtc tgtcttttgt caaagttcta tgcagtccca ggatagcgtg atagcagtgg 60  
 ttaaacacaa ccagctagtt atagctttca ttgtatggaa agacctctct ggtctggaac 120  
 tctgcctttg aaattatcca cgtagttcag aaggcaaata cttgttaaag ggatcccaaa 180  
 aggtaggaga caagtagttt ttgttatgca ttagggcaga ctttcaagca caagacacaa 240  
 aattgagcag caaatgtttg ggtagtccca tctcccttcg gtttatatgt gggtagtaaa 300  
 ataaataaaa ttttccttct ttgtctcttt cttgaaataa aatatcaggt atccaaggag 360  
 agctgaggat tctcaatttg ctagattgct ttaaaggggt cagattttaga aaattaagga 420  
 ataaatgaag aacaatttta ctggagtagg tgtgggtcaat angccctttt tcattttgtg 480  
 ccattgcttt tagcacaagg atgtcaaaaa tatcacatag aatgtcatct ctgatggact 540  
 gacagagacc tcctgtttgt ctgtgttagg acatgaggct tatcccagct tggcgggaga 600  
 gaatgctaag catgatgagt gagatctgcc acaggcacgg atattttctg ctctcttctt 660  
 gtttgtttca aaca 674

<210> 8461  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8461  
 atcaccatca gggtaaata cactcctgat gatgctgtta atagaaactg ggttataaca 60  
 cctccccatt acactcaagc acaatgtgtg tagttctcta ataaggagat gaattgttct 120  
 tttataccat gagagtgaca tgcacggcac acacttggtt aaggggtgtg cctgcatcaa 180  
 aaataaaata catagaatca gtgtaatgtg aacataaaat aaagaataaa tagcgtggct 240  
 gtcacatgct atttcccttt atggaagggt agtgatatgt cgtgcatgct gcgttctgca 300  
 caactggcct actgggaggg cactgttgct gcctgggt 338

<210> 8462  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8462  
 gaagagcata ccgatcta atagtagccagt caggggtgtc cgagattgca aatactagat 60

ctatatatca tataatctatc attatatata tgggagaata tattatggga aatatatata 120  
 aaaaatctat atataataaa gtatttagta gtaatgaata tggatgatatg aaaatatata 180  
 tataatatat tatgtatata tcatgatgac tgatatactg agactgtcgt actctgactt 240  
 atgatgcatg gctatgtgag cacagggatg tgactacggg gctatatatg cagggaaaat 300  
 aaggcagata acatgggtag tatgtctagg gtagtgtgtg aatcacagaa gatgaatcag 360  
 tgaagagata ttattgaatt gatgctattc agataatgtg ggtgtgaaca gatgcatggc 420  
 atcagaggca tgtctgatat ggcataaatg agtgaagtga aacgtatgaa gagatactga 480  
 ttaaagagaa ttcattgca 498

<210> 8463  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8463  
 ggtaaagcta tttggttcga ttgttaattt agtttgcttt agagagtaga acatataatg 60  
 cgacaaaaga ttagtaatga gaaaatcagt atttcattgg atgtgttaag tgtcaaaagt 120  
 cactgtaatg gtgttgtgtt caaccgggtt tttgttttga agaataatgg tgtatgtgtt 180  
 acatcccatt cttcatgtcc aaattttgga cgttccttgt ctactcagc tgtgataaac 240  
 tggctctggag ttgctgaccg accattgttc atcgaatgag gcattatctg 290

<210> 8464  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8464  
 ttgggtggtg gaggaggtgt gggatggatg tggatgaagt ttgtgtggat atgtatgggt 60  
 tatagagtag atgagaatgg gataaagatt gtgaattatg aggatgtgga gtagagttag 120  
 tataaggggt aagatgtatg aaatatataa tgaatggatt atgtgaggtg aaaatgatag 180  
 ataggggtatg gtgtgaatgg agaggatgta atttataaaa tgaatatggg gttttgattg 240  
 ta 242

<210> 8465  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8465  
 gggccgaggt gcacatgtgg aaagtaggtc atgagataaa accatcaata tctaatatat 60  
 atgaatcaag tgtgagttca caactacaaa cactaaaaca cattattaaa aaagcttgta 120



cgagcttttg cttttttttt ttttttgttt ttcggatcac aacgcttact atacgttg 178

<210> 8466  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8466  
 cgcgggggag gtacacttaa acactgtgag aataacagag aaagatgagg gtttttatat 60  
 acagtggccg ctgtgtttgc ggcacttggg aatgacatgt ttgtttttac accaccgtga 120  
 gcgggacctg gaagtagagg gtgcgctgca caaggcccaa agagaatata attacttgct 180  
 gatggtgggt cacgtgcgcc gggcacacgg ctgtggcgga gctagcgtg gccgcttgcc 240  
 agcttcacgc atgggctccc tactcctgac gcctatatgc atactgttgt gtgttgcaac 300  
 tgtgtctacc atacaatgct cggagggatg ctgggaatga cgtggtgtgg ggagacatgg 360  
 ctatgacggt tgaagattga cccatctttc caggggtggag cg 402

<210> 8467  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8467  
 ttaccgatgc ggccgcgccc ggcgatgcac gtgatcaatc ttgtactgag gccacagggt 60  
 tgcaccagaa attctgcttc taacacttat gtctgagtc tgtcctggag agggctgact 120  
 gcacaatgat tatcttttct ttacatgtg gcacgtacgt gcagcatcag caagggtggag 180  
 gggggctcgc gctccacacg cccccaacaa 210

<210> 8468  
 <211> 674  
 <212> DNA  
 <213> Homo sapiens

<400> 8468  
 cggggccgac gtgcatgata aaaatttggt gaaaacatgg gtctctgtata cgggggcgga 60  
 tcaactcctg acacgtaatt cttaggatca atatgttggg ctgtgctgag gctgacagggt 120  
 gatcttgggg tggctctttt atggctcgtg gagggctctc atggttaggc ttgcattata 180  
 ccatcagatc atagaagcgg acacattgac tcatatccta tggctagtaa ataagatgta 240  
 ctggatagtg aatctctttg gttacgcatg acgaataact ggaaagagga gagtgcata 300  
 aatataatgc agagccatat tgtctacttg tactgcaaac ttttgatgat ctgtatagat 360  
 gaccagagca tccaactgag tgaggagcat catcgcgga gacatgattg tcatgtcata 420  
 cgatagcagc ggagcatata aagaggatat tggcatgctc tgcgccgagt ccaggctact 480

gactaccgta tgtgatgccg actgcaggtg cgatatgatg gagagctcag ctgcgctggg 540  
 atgggtaacg ttcggttcta tagtgtcacg taaatagctt ggcgtgatga tggcatagc 600  
 tgtgttgtgt gtgagtgggt atgcgctcac aaaccacaca catacgagcc ggagcataag 660  
 tgaaaagccg ggggt 674

<210> 8469  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8469  
 cgcgccgag gtaccggtga ggaaagtgcg gattgacact tggatgggtg taagtatgaa 60  
 tcacctgatg aggtcacaaa tacaatgcaa tcgtcaaact atttatagca gcctctaact 120  
 tgcttcatat gcttctgttt acagagtga taccacccat ctgctgcagt gaatgtgatt 180  
 gagctctcaa ggtctgggca agaggggatt ggtgtaagt tatcca 226

<210> 8470  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8470  
 gggcggacgg gcctgacggg gaggagggtt ttgggtgtga tgaagattgt ggcgtgtttg 60  
 cggcattgga cagcctagaa gctcaggaca agtgatgact ctgtattgga aagtgatgac 120  
 gcaaggcccg gggacgcagg ggcagccaac acatcagcca tc 162

<210> 8471  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(226)  
 <223> n = A, C, T or G

<400> 8471  
 nccgntccg ggtctagntt actgggacaa cctgntgntg gncaggmata tggcactcac 60  
 cgggctgggn taaggcacag ncttgggnta actcactggg cattgggcag gctatccggc 120  
 atgggctatg gcacagcatt cctacctggc catgacctgt gcatgctagg cacagctatt 180  
 tgcgtggccc tccgctctgc tctgtgctat ggccgcgcac agcgca 226

<210> 8472  
 <211> 338

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(338)  
 <223> n = A, C, T or G

<400> 8472  
 gaaggantag caggnaccga gaggatacca gcattactga cgaacangga ccagccccac 60  
 ctggggaccct cttacccac aactctcatt gggctacacc actcagtcga ccgatacaca 120  
 ctcgacacag ggacgntagg gatgcaatga tcagacctcc tggtagtcac ctaagcacta 180  
 tctgggactg gtttggggta ggacaaaggc agcacatctt ggcaactggc acaagggcct 240  
 ctccaagctg taagggcagc tcaacagcac ctactgggat gggtcagcgc aggggctgct 300  
 ggtcctaggt actctggccc ggggcggaac gacttact 338

<210> 8473  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(224)  
 <223> n = A, C, T or G

<400> 8473  
 ncagntacgn cctggcgnaa ggntcctttc tggacgntca aggagnatgn aatctggnaa 60  
 aaactgtcta ttctcttagn agnagnaanaa tataccccac cttaaagtcgc agctaccatt 120  
 aacaaaaaaaa aaaattagca aagggaaaga atcaatggta aggacagtaa atatactctg 180  
 agaatagagt aagtacctcg gccgcgacca cgctaatac tagt 224

<210> 8474  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(770)  
 <223> n = A, C, T or G

<400> 8474  
 gggncagnta ctagnaaagg nccggntgc catccatcgc tgcctcgnag gtgganaagn 60  
 agcgggtgat gtgctcactt ctgatcaaca tgtgttgctt cctctcagcc aacttctagc 120  
 tcaactgcact cactctggtc atgataaatg ttctgcacct ttctgcttca ttccttaggg 180

cctaaatcag gaagctgttt tatcgatggt ttccttttgg gtcagtaacc agctttggat 240  
aatttcctct gattattcaa gtcgtgggac aggtaaacta cattcagcag gaacttttct 300  
cgaggagtgt tatgtcatgg aaaagacacc aaacacagca agtattttta tgaatacacc 360  
atcccagggg gtcagtaagc tctgcctgcc aagaagacac agtgagaggg gtccacagtc 420  
ctgatgaggt ggcgttttgg aacttgtaga ccctagcatg gccaggtctg gtcaccctta 480  
agaacttctc agagaaacta ggaatcttca gtgaaagaac taatgttctc ctcagctgaa 540  
attcccttgc ttgtcagcat ttctgcagag ctcacacttg tttcaccata cctcccttgg 600  
atgtgacatg tangtangaa gtatgtgcan gtgggagtc tctgtcagcc tgctatgttt 660  
cagagatcct gaaagtgggt tgaaacaaac aggagaggag caggaaatat ccgtgcctgt 720  
ggcagatctc actcatcatg cttagcattc tctcccgcc aagctgggata 770

<210> 8475  
<211> 226  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(226)  
<223> n = A, C, T or G

<400> 8475  
acagntacga tttacagatc acggtctcaa ctgattttgg catcacaata taacataatt 60  
taaagtgggg tgatttattc aacagtatct tgtttcgcaa actttggaga catgtcctag 120  
actgtacctt caaactgtat tcttgatctt gctggaacat gttggttgcg ggcgggtgctg 180  
gcatgcagcc atgggtgcatt cctgggtgcct gaactgatag atgtgg 226

<210> 8476  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(338)  
<223> n = A, C, T or G

<400> 8476  
gnagatacgc aagnttcttt tacttttact gnaagnttct gggcgctct ggtgnttttt 60  
tcctntcttt tctggaacca ggggcaagca ctccggtctc ttggcttctg cgnacggggc 120  
agnatctgag caatgcactt gcgactattc tgctcctctc ctgcacagg gtaagtatcg 180

tctctctagg gtgaaggcag atctggcatt tgctgtcttc ttgggactac cagaccgcgt 240  
 cccttttttt ctctgctgcg tttcttttct ctcccttate ctcttttaat ctctgtccct 300  
 catacttgct tatttcatac gatgctaggt tcactcct 338

<210> 8477  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(322)  
 <223> n = A, C, T or G

<400> 8477  
 cagctgnaag ctccaagnca aancaatata gnaactcatc cagtgatggc tgaactgtcg 60  
 tcatcagcta aaacaggtaa gcgaaaaaga gtcagatgct gtttcgaggt ttagtatatc 120  
 ctagtaatgg ttgtcctgbc tgcaatattt gaattttaaa tataaatcta tttattaata 180  
 ttttaacatta tttatatggg gaatatattt ttgactcat caatcaaata agtatttatt 240  
 atagtaatct tttgtgtaat gaatatgaat atttattaat atatggatta tttattattt 300  
 ttatatcttg tgattgtttt at 322

<210> 8478  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8478  
 cgggtacata tatcaaagga ctataatata aacatgcacc tatggtatta tatagcaaaa 60  
 agaatctatg gggaacagtt acttatgcac acattaacat actccctgaa ttttgattaa 120  
 cacgatgttc tcatatgcat gtgatattca tctacttatt tttggctggg catagtatct 180  
 gctgcatggt atcagagttt atattatcac ctccggagat acccacctaa tcaactgggtg 240  
 attgctggcg cgggtgtgagt agatcgtctg ggagagctcc catcgcggtg acatgcctcg 300  
 gtcgtagtat tctataatgt cacatgatta gctggacggt ctcatggata tagatgttat 360  
 cctgtgtgca tatgttatta gatctcaatt ccactcacac tactatcggt atgctataat 420  
 gcgtattgga tgggggaggt aatgagtgt tctcactata cattaattgt gttgcgctaa 480  
 ctgactgatt tacattca 498

<210> 8479  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> n = A, C, T or G

<400> 8479  
 gncagatact gattacaaca atgccatgct ctgcgagcag actcacgatt caaggctctta 60  
 catgcccgcga acatgactca cagnaactaa aacatctaca ctgtctaaaa taagaactca 120  
 aatgtctgga tgtagagact atattgagct ggaaagtcaa taaatctttc actataacca 180  
 ccacatggca cattaatgca tcacatatca agcgtatata gtgcctgaga actgaagagg 240  
 atctgtaaac aactttcatg tgtgtaatat gactgatgta gacacgctat gcattgaagt 300  
 actatctgaa cagatggatt acctcttgct ctagcatcat ctgcactctg tcttgattat 360  
 caactgcttc ccactggaaa catatgaagc cgtctattta tttatgtgtg tatatgctat 420  
 atgaattggt gactgtgtgg aatgcttgct attgtggcta ttattctgaa tcttaatact 480  
 ataaatatgg atctgatatg attctgcttg tcagtctcta gtgctatgca 530

<210> 8480  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8480  
 cggccccgcc cgggcatggt tacataggca ccgagactgc ggagtgggac tctactaagt 60  
 gtgtgtgcaa ctacatgtgc gaacgtgggt ttttttttac ttcgtgcttg tttgacgcta 120  
 tggctgggag cgcagtagca cagagccatg accgcgtgca cgccgtattc gatggcgc 178

<210> 8481  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8481  
 cgtagtttaa tatttattgt ctctcttttc tgctgttgta gtacatatt atatataagt 60  
 aaagagatgc gttcaagatc tagatcacgt tctatgaggt agaggactcc cttatcttgt 120  
 atattcaggc ggtcaagtag ctatatctga gacggtcggt ctatattgta tagtctatga 180  
 agtcgtgtga tgattctcaa tagctctatg 210

<210> 8482  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)..(546)  
 <223> n = A, C, T or G

<400> 8482  
 tggcatatgc tgtattttat tgtatcgtgt aagtgcctaga aatataccca atactgaaat 60  
 cttattaact ttgttttcta tgcggccttg gggttttggt gttcatgcat tattgtccac 120  
 tattatcatt tttctttaac aagatataac attgtatggt atattgtaca tatattgtat 180  
 gcatccatta ctggtgtgtg tttactactt tggctgttgt gcttaacgac acatggaact 240  
 gtgcaatatc gcttttatgc acaactctcg gcttatTTaa ccaagaatat tatcgtgaaa 300  
 catcgtgtac tggctaataa ggcatattct cgtattcttt gtaatgtgat atagtgattt 360  
 cagatagctt taaagtgtat gtgtgacatt cgtgacaact atccaacaca tacttaactg 420  
 tgccaatatt tgtcaatttt tatactctgat gcatgcgttc ctaaaaaatg agatgtctct 480  
 gactaacata acaggagtgt caatttgtgg tgcgtggagt gcaatgtagt agtgtcgnac 540  
 tcagcg 546

<210> 8483  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8483  
 acgaggatta gaaaatcact gaagtgactg ttgatgacgt aggtgaagag tgggaagtag 60  
 aggaggtgtg gagattatta tttaagtatt ttatgaatgc taagtaatag gaagtgggtg 120  
 atggtgatat ttaaattttg attttgttaa attttagta gaatattgat taatgattat 180  
 tttatgtggt gatattgtga tgtgctttat gttgagcaaa ttggatatta tttattagtt 240  
 tgtttttgaa gtgtcttact atgtgagatg agaggatatag tattgtgttg tgtgtttggt 300  
 gttcatattg ttgtgtattg gatttagttt tctttgaa 338

<210> 8484  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 8484  
 gatgcctgtg ctactgtcc acgagtgcac tgaggcacia gggcatgaat ggatcctata 60  
 aatgactcac tttgcctggc tcttggcact ggatgtagct gttggggctt gacaatttag 120  
 aacttgaagc cctcaccat tatccggaat attgtgatcc tgactactat tccagaa 177

<210> 8485  
 <211> 306

<212> DNA  
 <213> Homo sapiens

<400> 8485  
 aagatgtgat gaagcagaac gatgaattaa tagatggaag acatataaca tgcgataaaa 60  
 gtgatacgtg tcactatata aagagtaaag cccatacaag tatccatgct ttctaattctc 120  
 aacgttgtaa gtggctgggc aacctatgcg acgtcttaca caaggacaca aagacatgag 180  
 catgagctat aagggggctc caggactacc tctaagaggg ataggcctct agtaactcca 240  
 ggctctgctc cgaatgctga gaggagactt aaatactggt actgcggccc gttacatcag 300  
 aactca 306

<210> 8486  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8486  
 tcatgaatct ccaaccttaa atactgaaac actgacatat gaagctatgt gatgcctgct 60  
 tgaatcaata tatcaccact acttgccgga ctgatgacac tatgcaaagt tgcgtgatac 120  
 gtccgaaaca atgccgtagg gggggctaca gggcacgaaa ca 162

<210> 8487  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

<400> 8487  
 ttttttttg ntggtttaaa attttaataa aggggggnca aaggntgnaa tggntcnaaa 60  
 antcctcaag ntccgnacgg nactccccgn agaccaagnc anttgnantc cattcattat 120  
 tcgntctggn atcttagnc aagccccggn cccttggnan ca 162

<210> 8488  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8488



```

tttttttttt tttttttttt tttttttcta attactacct tttattctaa gggaaaccag      60
ggcccgaag ncgaataaca agctggncga aacaaaggaa actaggggtg gncaaaaaga      120
attagggggg aaaaacatgg nctcttctg ggggaggag ncggggaaaa ggnaaaagag      180
gtgctcagcc ggca                                                         194

```

```

<210> 8489
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(210)
<223> n = A, C, T or G

```

```

<400> 8489
tttttttttt tttttttttt tttatttaaa aaaatttcaa taaaacggcc gggcgggctc      60
ggggcggccc ctatcggctc agccgggggn cctcctccc ccacccatt ctaccagggg      120
agattctggg ggggaggcca agttcccttc tagagggggc ttcacccttt tcccagaaac      180
gttccagttt caggagnagg naggaggcag                                         210

```

```

<210> 8490
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(226)
<223> n = A, C, T or G

```

```

<400> 8490
tttttttttt ttccacgnt acaaaatctt taggtaanta taaaataaat aatagnaata      60
ttaattaata acaacaacac aacagggnca acaatattaa taataacaaa anctctccca      120
tggncaccag nccttctctc ancttttctc ttcggcttca cacaacttgn gnanatanct      180
gttttcatan cgggnaaaac ggagnccan anagntcgnc aactg                                         226

```

```

<210> 8491
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 8491
ccaggccagg acacacagac accacgcaca cgggaagcac ggacgtgcag accgcacctc      60
ccctctctg gaccactct cccagctcg ccagctcaag ccaggagcac acagcgcgac      120

```

cccagccac caccaagagg acaggacacc gagatgtgga ggcggccacc gggcagacaa 180  
 ccgaggcgac aaaccacaga accggctcca cacgtagaag acagcacaca aacgcagccg 240  
 atcccacaac agcacgcagt accctccagc cgagccacac aagctccacc cgccccccca 300  
 gctccacctg ccgcggtccc ccaagactgc cagccacc 338

<210> 8492  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(594)  
 <223> n = A, C, T or G

<400> 8492  
 caactctgaa tataactaaaa gctgttgaat tacacacttt aaataagtga attttacggt 60  
 aagcaaatta tatcttaaga cattaataat aataacaaag gacggaactc acacatcttc 120  
 tttagacaga aatgtagtct cactgcagca agtatggctt aaacctgctt ctgaaccgtg 180  
 cacagttgta ggctgtctc aagtgttccg tcgttgactt gtgtcccgcc tcgcccggca 240  
 atgatgtatg tgtggagcgc agtcatgttc tttgttacgc aacacagttt tcaccttggg 300  
 ctaagatgat gtgattcttc caaggtttgt ggcagaaatc ccatttaata nactggtcca 360  
 gatttcttca tgccgtaaaa ttgtttaagg aagttattta ttctgccaag ctctcgcat 420  
 ggtgtccgac actcccttct gtctcctgga gggccaggct tccgtgctct ggggctcagc 480  
 aggacgggga ggacgtatnc ctagacacct gcatcagtca aggtcatgga tattgggaag 540  
 acagacagca gcagaccag gtctgagctt acaaggtagc cactgagtct gggg 594

<210> 8493  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 8493  
 ccatttgctc actggggcta cagacgcttt tctacctgca atgtagatag actggatgcc 60  
 actcgctctt ataattgtta actttttact gttatcttta acttgtgttt aacctcactt 120  
 tcatacactt tagaagcaac tggaatgata atggttattg tgaacaagg gcaaactcgc 180  
 atgtgtgcag aatataatcg agttatcttt cttttactga tactgacccc acatgtgttt 240  
 gacctttcta tgcacactgt tgcctttaga atactaactg ataaatcatt ttactgttgc 300  
 ttttctctca catgttagct taacgctgaa cggcattttg actacagtgt gttctgcata 360  
 tagaacattg attacacatg atatattggt ttatactttt tggtgtctct tgcttattta 420

gtttgctgct cacg

434

&lt;210&gt; 8494

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8494

gtactctcta ttacatcacc catgctaata ttgatgatgt atcatctcta ttaggaatc 60

gacttgatc acctgcatta ctgagtgcg catatgagat gagatgactg ctgacctgtt 120

cttggtggcac cctggaccca ctaaagaacg cccttagtga tgaccaactg ccacatgtta 180

cacattcttg atggttggt gtgtggcgga ccttctcttg tgaccatgat ccagaagctc 240

ctccaacact gcttcactgg aacactgctg cctcagacga taccacgtga tgaagttgtg 300

gcttatgggg cagctgcacg tccgagattt ttgacagctc acaactctga gaatgcatag 360

cttgagttgc ctatggaggc agctaa 386

&lt;210&gt; 8495

&lt;211&gt; 642

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8495

ggttcaagaa cctgctggtt tctggatgcg taagtcacac agcctctgct gtgtgacact 60

attcttgctt ctgcctgtca tctgtgatca tatgccaggc tcgtgccaga atccctttct 120

tatactgatg tggcgtgatg gatccgcatg gggctgctct cctggacctt cgtgctgtcc 180

ttatacctgg tttggggagc acggtgtgga tgacgtgagc gtgtgatgaa ctgcatggag 240

attctgcggc aatagtgaca catgtggctg gtgtgcttga gatatgggat gagatatgac 300

atgcggaact aatagcatat gctttgtcat cacgatggca aaatcactga gagaacagag 360

aaaaaaacat agtactgtgt cgtgatcaat ctaatccatg ccgtatacgt ggctgcagga 420

caggctacaa tatggatcag cacactatga gtctgatgat acggtagagc atgcaatgat 480

gatgacgtga tgggactcgg cgtagtcatg gctatagctg tttcctgtgc gcagttgcct 540

tccgctcaca attatacaaa acatacagagc aggaggcata aagagtaaag cctgggggtgc 600

ctaaggagtg agctaactga cattattatg ggttgtgcct gc 642

&lt;210&gt; 8496

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8496

attggtggta gctcatacat agatacttgg tcatatctga ctactgctt ggacttctgc 60

tatatcactg cataacatgg cgggtgggtgg ttggtgtgat gtatctcatt ataggagttg 120  
 tgtgaaactc attacgaatg gaatggatat cctgatagta acaacatata ccatcacaga 180  
 ccgcttattg aaagcagtac tatatattac caaacttggc cttgttgtct gggatgatct 240  
 ggacgacatg tgggtgatag aattgggtga gaacatggac aagatattca acgtgacata 300  
 taacatgata ccataacaac cctacaggaa catagctttc gactgatata ggtgtgactc 360  
 tgactggcta ggatgctctg acacactgta cgtctacata caaccaggtg attctagttt 420  
 acacaataat ggactgagat gatactaact gtggatgata gcactgtatg attaaaatga 480  
 tctcttagga tattttaaata agaagatata ataaaaatat ataaaagctt 530

<210> 8497  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8497  
 tcgacgtata ctatgatctt cttatctgtc ttctgtgat taggtagtaa ccttatgtat 60  
 atgtctctgc tagtcattac tgctctttat acattgatat agtctgtcgc tggcagggat 120  
 gtaaggggct ctaatgggca tgtatctagc tgatgctctg ac 162

<210> 8498  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8498  
 ccaaaagact gctggagacc actcaaggca agacatgaat gtcaagtttc tcaatagcaa 60  
 ctaaaaagaa aacgaggact gactctcgaa acagctgact aatcattcgg tatactgact 120  
 tgaatgccca acgcaaagca atacatgaaa ccaccaagc ga 162

<210> 8499  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8499  
 agtctgacta ttaaatgaat ggaaatgaca cccaacatat acagtattta tatgagattc 60  
 tgactgtcta catggatata atgcgcggct gggtaaaaaa tatccgtgga ttgacacac 120  
 tgcacaaagc acaccaagaa ctgctttttg aatcatctct cttataactg gttgcacttc 180  
 catgatcata cacgtggcta gcgagtggta ggttaactca tatattgcaa tggggtggtc 240  
 ttactcatgt tgtggtgcat aactggatta gaggaatgga cctgatgaat ctgttgatta 300  
 tggcgcaact tgccaaacat gaatcttgac tggtagacga ctctgatgaa gtgc 354

<210> 8500  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8500  
 ggtacacata gggcactgaa catcttactt ctctgtgagga ttactgagct cgctgcatgt 60  
 gattcgtgtg ctcacactcc actgtttaat atgttactat gacacaccta ctaaaagtat 120  
 gacagctcct cttgacctgg aagtgtgcaa ttaccatcac acgtggataa tgcaaggcgc 180  
 tgctctcatt tcctgttact tatgactgtg acgtgaagtg agattatgca ctattaacaa 240  
 atcatgatgg tggagatgaa agtgctcatc attacatata atgtgattga tacacagatg 300  
 tgtgacggat tgctgggata aaaatatatg taagattagg actcctaacc gctgggtttac 360  
 tcaatcataa acagaacaat gatcaaaaca gaggtcacia tactgcctga ggtggctggc 420  
 atctctacga cgcacgagtg cactgtacac catgcctgca aacgga 466

<210> 8501  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(178)  
 <223> n = A, C, T or G

<400> 8501  
 ccnggggtaca tccattgat gtcacttcgc aagagtgggc atgaccatat tgtgaatcta 60  
 tgagtacgga ctattgagga ctaaactgga aggatgcaac tacacacact gtgaggaatg 120  
 gctgcgtctc aactagtagt gctttattac agggactgga cactggatag aanatata 178

<210> 8502  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(594)  
 <223> n = A, C, T and G

<400> 8502  
 cgaggtacag gtcacacagc acatcagtgg ctacatgtga gctcagacct gggctctgctg 60  
 ctgtctgtct tccaatatc catgaccttg actgatgcag gtgtctaggg atacgtccat 120  
 ccccgctctg ctggagccca gagcacggaa gcttggccct ccgaggagac agaagggagt 180

gtcggacacc atgacgagag cttgaaatct ggaccagttt attaaatggg atttctgcca 240  
 caaaccttgg aagaatcaca tcatcttagc ccaaggggtga aaactgtgtt gcgtaacaaa 300  
 gaacatgact gcgctccaca catacatcat tgcccggcga ggcgggacac aagtcaacga 360  
 cggaacactt gagacaggcc tacaactgtg cacggttcag aagcangttt aagccatact 420  
 tgctgcagtg agactacatt tctgtctaaa gaagatgtga gtcctaagca gacttaaagc 480  
 caagaaaata agaagaggaa agagagaggc ctgccctaac cactgttgt gctgacttgg 540  
 acaattccaa gtccaagagg actgtctact ttgcacctg tgtgattata acct 594

<210> 8503  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8503  
 aggtaaatat cattgatgtg agtttcatac tacagcatgg atgtggtagt gctgcagact 60  
 ggtgctgctt atggggcaga tacactagct ctgatgtcaa tgactggaac agtgtgattg 120  
 gatgcctgat ggatgatttc ttagacatgc taaagtgtaa gtcagaccct gactcagt 178

<210> 8504  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8504  
 ggggcaggta acacctccag acctctttct gtctgagtgt atctagtttg ctgcttttat 60  
 ttatgtatta tgttctcctc atgtacttgc tccttgctgc tgggagaatt ctgtcgttct 120  
 ctttgccga tctcaaactg tagaaccta aactacttcc tgcagtaact gccctggctt 180  
 ggcgtctcac aaggcaatac tctcctcgtt ccagcgagga ccagagggta gcccagcctc 240  
 ccagtgtagc tggactcc 258

<210> 8505  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8505  
 aggtactgga cctaacctaa tgtagcacat ggggacacat cgatattaca acaaagtcta 60  
 ttagacgacc acgaaatata taagcacata taatgctgat tgtaaataga tatccaaagc 120  
 acctctgcta caaactacct ggctcgtgtc tgctgtatct tgccatccac atgatagggc 180  
 atgtaacacg aactccagag caatctcctc 210

<210> 8506  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<400> 8506  
 gtacttgtgt gtctacagtc acggttgact atcccactat gtttactata aatgaggctc 60  
 tgtgattcac tgcattggcag caggtgatgg cattgacata ggccactgct tgatatgatt 120  
 ttgtgcatcc tgtccagagg tcctggactt tatgagaggt atgttttaggc atttgggtga 180  
 catgctatct gtctaccctg gtccttacgt ctgggatcac atattccttc tgtgggtaca 240  
 aattgtgtgt gatttctgat gatagggggg ggtgtataac tatttatctt aacactgggt 300  
 gtatatatta cattgggtta a 321

<210> 8507  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> n = A, C, T and G

<400> 8507  
 cgggcaggta cactcangaa tgtgctgcac aaactctatt cagttagcag tgatcacccc 60  
 gtgaccaca cacaccttcg atataatcct acaaagtctt aacattaatt aacataatta 120  
 aataagtatt tgcatttata aaaaatatac agaagaacta attgtggagt aatctgtgcc 180  
 tccatttcaa tgtctgcttg ttctactgac attatcaata tttcttttc atacaaagtc 240  
 ttataaaaag cgaaggaggg ctgagcggat acgaccagcc acacacaaaa 290

<210> 8508  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(371)  
 <223> n = A, C, T or G

<400> 8508  
 cagntacaan cttttttttt tttttttttt tttttttggt ttggaacctt taataaaaaat 60  
 aaaaaaggaa tgcaaaaaga acacaatggt gaaaacttaa tattaatgtg aacctcacta 120  
 gatgttcaaa tctggtagag tgcaaatgtt gttcatacta ttttacattt ttacaaactc 180  
 aaatcacttt ggttcatata ttttctataa actattggca aaaaaatcct caaatttaca 240

ttcttttggc tacattatatt ctaacagata tagattttact tccggtttcg gagagaaaga 300  
 cttattgtgt gtgcgtgatc aagtctgttt taaagattca cacctcggcc gcgaccacgc 360  
 taatcactag t 371

<210> 8509  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8509  
 ttactaatatt acttagcaaa ctttatcctg agatttgcaa atttaaaaa atgaagaatc 60  
 aaactatatt ttcttttctg tttttttgaa acagagtctc cactctgtca tccaggctgg 120  
 agtacctgcc cgggcgggggt gttgtngtgg ttatgaattt gtgtgggtgt gaagtagaga 180  
 ttagagatag gatg 194

<210> 8510  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8510  
 tttctgtgta ataagagtga ctgcttataa ggagcgtgga ttgcataga gtattgtgaa 60  
 taaggttggt tctacttaag tagatttgtg tataggcaag agtgatgtat ctttggtata 120  
 gtttaggtgt atgtagttat tgataatagt gcagcgtttt ta 162

<210> 8511  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(274)  
 <223> n = A, C, T or G

<400> 8511  
 agcaaaaccc acccaagcaa caactggggc caagaacggg gnaacccaaa taggcattac 60  
 ccagaggaa ccgaattaag gaaaatggaa ttaaggggtt ggcccaggat tttgacgacc 120  
 aatttgatga tgaaggaccc cttccttgcc ttagggactg gcaaactttt ttaccatttg 180  
 gaaggtaaaa ttgaaggacc aatttcggta gtggaaggaa aacattgggt tgtattaaag 240



gaaaacaaag gcaatggttg acccgctttc gggg 274

<210> 8512  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8512  
 cttgatgatt gtactgtatg tgtccgtaga gctgatggct gctgtgttct atggacgttg 60  
 gtggacgact gtctgtagat gaggaggaga tgaacagtgt ggggcagggt tggaacatct 120  
 tgatgaatct ttgcacgctc atgtattgaa atcttagcat ca 162

<210> 8513  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8513  
 tgtataatgg ccctggacca tcttccatgc tggataggac ttataagtgt gtaatacaca 60  
 cgtactatgg gcaagatgga taaagactac tgcctacata acttgtatct atatccatca 120  
 catcaaccaa tgataagtac gaatctatcc taattttaca aacatggaca cataacaaca 180  
 aagatgtcaa tgtcctcatt caacagaact gaagatagat caaacgctaa accagactct 240  
 gtctctattc cctcctgttg tgccacggtg catctctgcc gagacggtgc ctttatttag 300  
 ttacaaaaca cacttgatgt atggcctacg cgtttaac 338

<210> 8514  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (322)  
 <223> n = A, C, T or G

<400> 8514  
 ctggtccaac agctgagga tggtgagga atactgtact gccactcacc gaattaacgc 60  
 ctgcaactat cagagatgaa caacataaaa aaaaacaaga agagaaaaaa acatagttag 120  
 agaacctctg catgaatcat gataagcaca tatagaagaa aaaagatata aacgtggtag 180  
 cgtcaatccg agagacgaca tcgccatgcy gtattgccag caaacacata tggactggac 240  
 agcnagacat ggatcataat gatgaatgat catgcgctac tagactactg atcaatgggt 300  
 ggacatagca gcanacactc ac 322

<210> 8515  
 <211> 786  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(786)  
 <223> n = A, C, T or G

<400> 8515  
 tttttttttt tttttttttt ttttttttag ttttaaagact atttcagttt tagtcagact 60  
 acttcagacc tcagactcca gacttcagac tccagacttt agacaacaga ctccacatgc 120  
 cacacaacag acttttcagac tccagcttca gactccagac tccagatcgc acacttcaga 180  
 caacagactc tagacaacac actccagtct ccacattcca cagcacagac tacagactcc 240  
 aactccaga caacagactc cacactccag acaagagact ccacaatcca gacaagagac 300  
 tccacactcc agacaagaga ctccacactc cagacaacag gagactttta gactccagat 360  
 cagacttcga acttcagatt cactccagac ttcagactcc agaccagact tcagactcca 420  
 gaccagatt tcagatttta gacttcagac tccagaccag atttcatatt tcagactcca 480  
 gaccagactt ctgacttcag acttcagact cctgacccct ggcaacatgc acatggcang 540  
 cccttcactt agctggtaga aggaacacag gcttgggaag gagatgtctg atgttcactc 600  
 cctgacgaca ctcttacttg cttcaatgat ctctctgagc cttgggtggc ccatctgcta 660  
 aacaaggatg agttatttgc tggggatgct aggagacttc tgcctcatgc ctgcagtgct 720  
 gctcatgttg ccccttgga attacttggt caacttcttt ctttcccact agacggggac 780  
 tttttt 786

<210> 8516  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8516  
 cgagtactct tagtagcgca cgtctttggt gtatgccttt gatgggggct gctgaacgtc 60  
 tttttcaagg atcatggatg tctcatggag gaattaaatc tcatgggtat tgattcattg 120  
 cttcacgggg ctgaagaata atctgtgggt gatgtcctga ttgatgctga tatgacacat 180  
 ctttgaggta agaacttggt tatgtccttg aactggatgg gattgttctt tgtgacctca 240  
 tgagtatata catgatgatt cagctgtaga catgtgtgac atctcttatg gttaacatgg 300  
 aggtggacat tatactgat ggggcgaaca gctacttt 338

<210> 8517

<211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8517  
 tgaggacttg atagcatgtg tgtgtggact gaaatgotta tctcttccgg agatgtgacg 60  
 aaacgcctgg tgtgtgtttg tgtttgggct gagactgtat agagctggta gttttagtagca 120  
 tgtgagagat tggagtgagt ctgtgtggct taactccttt ctcgttcgtc tgcgcataacc 180  
 ggcatttagt ctcgtagggtt gattatggaa cttgcatgtg aggctggata ttgatgagct 240  
 gtgtgtagtg cggctgatgc ttaatataga gtct 274

<210> 8518  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<400> 8518  
 gaagaagtcc tggcaaaaat cagctccaca tccacagatc ggctcacagt tctcaagacc 60  
 aagccacagt ctatacaaag ggatatcatt actgtctgca acgaccctta cacgttggcc 120  
 cagcagctga ctcatataga gctggagagg ctcaattata ttgggccaga agaatttggt 180  
 caggcggttcg tgcagaagga ccctttggat aatgacaaga gttgctacag tgaacggaag 240  
 aaaacacgaa acttagaagc ttacgtggag tggtttaatc gcctcagcta cttgggtgct 300  
 acagaaatct gtatgcctgt taagaaaaaa caccgagcaa gaatgattga gtatttcatt 360  
 gacgtagctc gggagtgttt taacattggc aacttcaact ccttgatggc gataatctct 420  
 ggtatgaata tgagcccagt ctctcgacta aaaaaaactt gggccaaagt gaagactgca 480  
 aaatttgaca ttcttgaaca tcagatggga cctttcagcc aatttctata attattgaac 540  
 agcttttcgt ggggccagca caaagtcttt aactgctcat agtagttaag aaaagatggg 600  
 gatacatttc 610

<210> 8519  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8519  
 taccaacaac tcttggtaaa gatcacctcc gcatgcacag agtgcttgac atgtgctgga 60  
 tatcacgctt gtcgtatatac gaagggatgt gattaactgtc tgtaacgacc cttactcggt 120  
 gtgtcaataa ttgactcatc tagacgtgga taggctgatt ca 162

<210> 8520  
 <211> 466  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8520

```
gtacttgata agttgattct aaaatacata tgaaagtata aaggaacaag aatagccaaa      60
aacttttgca gaaaaacaaa ttangaagac ttgctttacc aaatatcgag atatgtgttt      120
ataggtaatt cactgagctg acattaatgt gttgtgtatt tttttggtca gagttgatcc      180
ttactngaga gtgggtatgc atgagtgtgt gtatgtgaga gtgagtgtgt gtgtgtgtgt      240
gtaaaatgga ggagaggact aaaagtgtga ctagaagcag ctggaagtag canngagagt      300
ggaagttagt cccctcgagt gtttgcaaag taagacatgc ctgccagca ctcttcctag      360
tgtatagtgg ctacaaatag agtagagaac agactccagt cctcaaagac tttcagtctt      420
gcgagtcaac tcagactcaa atgtagaact gggaaggaca gtgccg                      466
```

<210> 8521

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8521

```
atgcacagtg cacatatctg gtacaagcta aatctggggc gcatcacagc caatggtaaa      60
ttctacagtc ccttctctta cggatcataa tgccttgatt gtaagcgctg cacatacctc      120
agggtcgcca tctactgtag ataaaaaaca actgtggatg actataacgc catgtgcagt      180
ctcatggggg agaggcttca ctcgtttaac                      210
```

<210> 8522

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8522

```
tgcacattag tacatttttc ttaatggtgt aatacttgcg tgtagctgaa ccaatcatgg      60
atactaccat atcataaaag aacatgacta tatctccgtc tatcatccat taaactatta      120
cctttcacag ctaaggcctt gacctatgcc tgaatgatgc tgttacataa gctgagataa      180
tacagccatt tctgtgtcat ccatcaggat aaacagtatc cagtttctac gagctgtgta      240
gcgtgcaacc aatgccagga gtacatactg tatgctgtgg tcggagcttc tgctaaccac      300
tctatcatgt ggaagatgga taatagctta tgggggaagc cagacaagat tgataaaacc      360
actataggtg cattgacatg tctagctatg tgggtgaggaa tgtgactata catcgtgtga      420
```

tgatagttgg gaagtatgcg ctcaatatag gccatctgct ggtctgacag aatctcagac 480  
 gtgaccacgc tacgtaccag ccacggccgg ccgg 514

<210> 8523  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8523  
 acttgataca ggctctgaca ccagatgacc tgtagagtgg ccacagaagg tgggcaacac 60  
 actaataggg tacggtggaa aaacatatgg cggagagagt gacatgatga tgatttcatt 120  
 taggaagatg actacaaatc tatcataatt gtacaatgta cgtactccta gcatatcgcg 180  
 tatatgaccg tcgatcattt caacagaaat gaaagcatgg atgtcacgct aactgagcg 240  
 taatgtatcg gatgcgctgg ctgtttgtgc gcgctgctgc agtcgtgtgc acgtagcggg 300  
 gtgcgctctg acttgacgta ac 322

<210> 8524  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8524  
 agtacttggt tgggtggacct gaacctgatt ctctgtgaca gtggcgacta aaattgtggc 60  
 accgcactta ctgtgtacgg aggaacaaac agactggcgt aggcactggg ctgtgcatgt 120  
 ttgcatctat aaaacagact acaactgtat cgtgattcta cgtggtcctc ggcttggcac 180  
 actgtaatga gtgctgaatt cgtaggacag 210

<210> 8525  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8525  
 agtactggtg tgttgaatcg gaaacctgat ttactgtgca gatggccgag ataaagaagg 60  
 gcacgtacta atagggcacg gaggaacata gagacgagcc tatggcacta gtaaatgcat 120  
 gtattgcatg tataaacagg actacaaccg tattctgatc ctacagcggc ccgacgcc 178

<210> 8526  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8526  
 aggtacacac tatgctgatg gcacttagta agtccagcgc atagacgaga cagactacac 60  
 tagactctaa aatctgcaca cacttcacga aaattgaatg gtatgtggag ctgagaactg 120

atgagagtga tcagatcact tcattgcaac agatatgccg tcagatgacg aggcacctgt 180  
tcaactgcta agagccagac gtgccaacat gtctttacat aaatgggcat atgatgaccc 240  
acgagaaagg acactaagtt acactgtgaa ccgtatgtca tgaatgccgt gtagatgacg 300  
accaag 306

<210> 8527  
<211> 626  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc\_feature  
<222> (1)..(626)  
<223> n = A, C, T or G

<400> 8527  
tgcaccataa tccctgacgt agatgaaatg ccagtgtcag gagaatgcag acataactcaa 60  
tgacaacata nattataaga tgaccactga agtcttggag gctgaccatg atgtgcaatg 120  
atgagaatga taaaataaat aacaatgagc ttgatactgt tgaatagatg ttgcagctag 180  
acaagcaaaa atattgagaa agctcaagaa attcaataga aaatgtggga cgagttagat 240  
ctatggcatt ccacactaaa tgtagctgga ttctgaaggt tcagacattg ttgaacagga 300  
gccaggacac gctcacgact ggatggataa cttgatgatt gctttccagc agtatcagca 360  
ggtatcacag agagcagagt gtagaacctc acagttgaat agagccacag ttaagatgga 420  
agaatataga gaccttctga agagcactgt agcttggata gaanatacca gtcatttgct 480  
ggccaatgct gctgactatg actctttgga gacactgagt caccatgcta gcactgtgca 540  
gatggcttta gaagattcag aacagaagca caatctgtta cattgaatct ttatggatct 600  
agaagaccgt gaatagttaa tgaaac 626

<210> 8528  
<211> 690  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc\_feature  
<222> (1)..(690)  
<223> n = A, C, G or T

<400> 8528  
gcggcgcgga ggtgannnac catagtgcc tggcanaaga ttgaaatgcg ccaggtggna 60  
aggaatgtca gaaaagcttt ataagacata gatgagaaga ttanfaatga agtcttaaaa 120

```

agctcaccat catatgcaat gangtagaaa aatagaagaa attaacaatg ggcttcataa 180
tggtgaaaag atgttgacgc agaaaagcaa aaatattgag aaagctcaag aaattcaaaa 240
gaaaatgtgg gacgagttag atctatggca ttccaaacta aatgagctgg attctgaagt 300
tcangacatt gttgaacagg acccaggaca ggctcaagan tggatggata acttgatgat 360
tcctttccag cagtatcagc aagtatcaca gagagcagag tgtagaacct cacagttgaa 420
taaggccaca gttaagaatg gagaatatag tgaccttctg aagagcacnt gagcttggat 480
agaaaatacc agtcatttgc tggccaatcc tgctgactat gactcttttg agacactgag 540
tcaccatgct agcactgtgc agatggcttt ggaagattca gaacagaagc acaatctggt 600
acattcaatc tttatggatc tagaagacct gtcaataatt tttgaaacag atgaattaac 660
ccaatccata caagaagtaa gtaatcaagt 690

```

```

<210> 8529
<211> 562
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) .. (562)
<223> n = A, C, T or G

```

```

<400> 8529
gtacaccata gtccctgcag acattgagat cccagggtgga ggactgcana agagctatat 60
acaacataca tgataaggag atcagtgaag tcttggaag ctcaccatca tatgcaatga 120
tgagaaaaat agaagaaggt aacaatgggc ttcataatgt tgaaaagatg ttgcagcagg 180
agaagcaaaa atattgagaa agctcaacac attcaaaaga agatgtggga cgagtcagat 240
ctatggcatt ccaaactaaa tgagctggat tctgaagtgc gagacattgt tgaacaggac 300
ccaggacagg ctcaagaatg gaggataacg tgatgattcc tttgcagcag tatcagcgag 360
tatcacagag agcagagtgt agaacctcac agttgaatag agccacagtg aagatggagg 420
aatatagtga ccttctgaag agcactggag cttggataga aaataccagt cattggctgg 480
cgaatgctgc tgactatgga gtcttgaggg aactggagt caccatgcta aactgtgca 540
gatggcttgg gaagatcaga gc 562

```

```

<210> 8530
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 8530
tacactgtgg aagctgcagg agtggtgacc gcactcgggtg gactgtctaa ggactactga 60

```

atcattatct agacaacaca accagtgagt ctgtgagacg gaagcactat aagcactgat 120  
 gtagtaatga taaaggaagg taacatatgc agcttcatga atgctgtaag aagatgtagc 180  
 gacaagaagg aaga 194

<210> 8531  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8531  
 actgtgggtg ctgagtagtg gactggaccc gatggcctgt taagcccatc tgtatcagtc 60  
 gaacaacaca gccatgtagt thtagcaggt tgaactgaca gaatggctgg tgcgcgcag 120  
 ggcagtacat aacctgaatc gcttatgcat gtgttgccta gacacagaga agcaattcaa 180  
 taaagtatga cccc 194

<210> 8532  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(402)  
 <223> n = A, C, T or G

<400> 8532  
 acacggtggg aggctgagta ggggtgacga acctgcattg actgtatata ccatctgtca 60  
 cattatatcc aacacaagaa tatacactat agcaggttga aattatacaa tggatgttgt 120  
 atctcagatc tgcacataac ttgcacaact aattgatgct tatataaata cataaagaat 180  
 aaatangaca ataagtcaca cttgaatata cgttatgtga tgatgagagc actgagagt 240  
 cgtccagatg tcctcagaac atcactgagc aggaatgagg tggctaatac tctatccact 300  
 cagacataac agacaaacga ggcaçacgtg aacagnacc gaggatcctg actagcagac 360  
 tagggttgcc agattcaaca gaaaaaaatc caggattgac ac 402

<210> 8533  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8533  
 gctcaattga tacataggta aatatacata acccagattg ctactaatag accaaaacat 60  
 cgacatatgc ctattgtcac gtatatatac tactggcata gtgtatatct attgaaagtt 120  
 gatgggatgg cacttcttgt cggataactg acacaaaagt gagggactca tagcaata 178



<210> 8534  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8534  
 agtgccactg agcacagagg acacatacct gaccgatatg tgactaagat ctcaacctac 60  
 gacctgtggt cattgtaacg gtatctagat gtggataagc gaccatcaca ctagactgtc 120  
 gtgctatggt cccgctggta gggacctctc acctggggag tgccgactaa gcttcctc 178

<210> 8535  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8535  
 gagtactact gaaatcaaga atacatgtct gtccgatagg tgacagagta actctacgca 60  
 gaacgtgagc acgttggaaac ggatgcagat atgtacataa gagaacatca ccaaagagct 120  
 cgtggcccat cagcgcacgt agaagactaa catactagtg aacgaaagcc cataatgcac 180  
 ctctcaatg gttaggcctg tagcacacac tcgcttgaga ccctgaccg ctaatgctac 240  
 agacccgaga ccaccggcac cctgtacctc ggtcgtctcc acgctaata ctaactgaata 300  
 cacggacgcc ggctagtcta cgatatgggc atagctctca acggcgctgg cagcatgagc 360  
 tgagtattgt atagtgtgat cgaaatagct aggcgtatgc atggacatag ctgataactg 420  
 tgtgaataca gtatacgggt gaaggtaacct 450

<210> 8536  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 8536  
 gtgccacggt gccggaggac acatgcctgg cggatatgtg gactcagatc tcaagcgaga 60  
 acctgggcca ggcgctacgg atgtagatgg acataagaga ccatacacac agacttcggt 120  
 ccacgtccac gctggtggga aacaatcata ctggggaacg a 161

<210> 8537  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8537  
 atgtgctgcc gatgtcataa gtgcatggct gttgggatgg ccgcagaagt ggctcgaaca 60  
 gacagtttat aagccgttac agttaggtgg agcacataa caaaaaacac acaggagtgc 120

tttccacatc atgacctcgg tgaactgaat cattgtgctt actatggctt atgtctacac 180  
ccactcgagt atgaccatac agaaccatac tcagcagaca gacgaa 226

<210> 8538  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(370)  
<223> n = A, C, T or G

<400> 8538  
ccgacgtgtg cgtaaagacg ggtgtcagta cagactgtga tgaaggctgt tggagagact 60  
ggctggaagc gtatatgacg ttgtacaaga cgtgatacac atagataata tatacacgct 120  
gctaactgtg acacatcatg ataatgtact gtaccogtgg tgttgtgctc tagcttgctt 180  
ttgcacgcac atngagtacg taacatagat cctgaacatg gactgaccag atccatagta 240  
gaatctgaac ttgtacatct cggcgcatatc agtgcataata tacacatgat gctgagccan 300  
cacacaaggt gctgggagct gtggactaga cctactggca gctgctgact caggaacgga 360  
gcatgagtgc 370

<210> 8539  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8539  
atatcggtag tagcagtga cgcggaatag gtgttagctc aagaacgctc tgacatgcta 60  
cgcactatac ctgaacagcg ccggggagga tgaggggctc atgggcaaga tcagcgtgga 120  
ggactagaag aaagttcttg acaagtgata tgaagtttta ta 162

<210> 8540  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 8540  
actatgagat atggacacag acggtgtgag tgtgtgtgtg gggaaatgcga aagcggggtg 60  
ctgcttggtg cggttaggtga taaggcaaac tagctgaagt gtttatcggt tgacattaca 120  
gtgttggttg ttagaagtgt gatagctcat aggtggtgac taatattggt ttattgag 178

<210> 8541  
<211> 194  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) .. (194)

<223> n = A, C, T or G

<400> 8541

taaactagac ccaaaccacg acactcctca tcacgcaccc caccaggtaa cagccttaac 60

gctgcataca aagtggtaaa gcgaaggcca cgcaacctca tataaagaga cctgtgtgat 120

cctcactacc cagcgactgc cggataacac aatcaacacc tacaccatca cggcaangac 180

tacacgcaca gccca 194

<210> 8542

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) .. (226)

<223> n = A, C, T or G

<400> 8542

actacatgat gcacanaaat actcgcacta aaacaacaca cataatcacc actatttgtgt 60

tctatgacat acatgtgtta cacatgatca tactaatgtt aataaggcaa ttaggtgtaa 120

cactgcgcac acgaaatgcc acctaaaacg tgcaagaaag aaggacagtg gggaggagca 180

aggacacaat aagcagctct tgaaaggaac caatgaagca cctata 226

<210> 8543

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8543

tcaggcggat ctaaatagat tagttaagaa aaaagatatg ggtgtgatag tccgcagtga 60

gatgtggtgg gggagtgtgg cttgcgtgga gaatgggtgg ttttgaagac tgagtgggta 120

tggggcgggg gagggagagg cgtgggtggc tgtgggggta tggggggcgg ggtgacgc 178

<210> 8544

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8544

gtggttattg ttgcagtatc ggcatgttaa gatgaaacta ttctgccatc ttactattat 60

tgtatgtgtt ttcatacatt ggagttgggg gatggtttat gttggattac ttaaagtaaa 120

taataacttaa aatccaaaaa aaaaaaaaaa aaaaacaaaa aagcttgtag ctgcccgggc 180  
 ggctgctcga tactgatggg gtagtggtgg 210

<210> 8545  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(610)  
 <223> n = A, C, T or G

<400> 8545  
 caggctcacac agcacatcag tggtacatg tgagctcaga cctgggtctg ctgctgtctg 60  
 tcttcccaat atccatgacc ttgactgatg cagggtgtcta gggatacgtc catccccgtc 120  
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180  
 accatgacga gagcttggca gaataaataa cttctttaa caattttacg gcatgaagaa 240  
 atctggacca gtttattaaa tgggatttct gccacaaacc ttggaagaat cacatcatct 300  
 tannccaag tgaaaactgt gttgcgtaac aaagaacatg actgcgctcc acacatacat 360  
 cattgcccgg cgaggcgga cacaagtcaa cgacggaaca cttgagacag gcctacaact 420  
 gtgcacgggt cagaagcaag tttaagccat acttgctgca gtgagactac atttctgtct 480  
 atagaagata cctgacttga tctgttttct agctccagtt cccagatgtg cgtgttgtgg 540  
 tccccaagta tcaccttcca atttctggga gcagtgtctt ggccggatcc ttgccgcgcg 600  
 gataaaaact 610

<210> 8546  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 8546  
 cacatctgta gactacgtgt tgcgtggaga aggtgtctgc catgtacgtg gtgtacttct 60  
 acggcttcaa cttgatttag cgccgtggat gatgaggggc tcaggggaag aatgaatgaa 120  
 gattgatgaa acattgtgtt ggtcaagtgt ggagcatggg tgcgtggct ggacgcaact 180  
 ttgttggtctg acaatgtgca gtttaagcac aacaagaaag agctgaagca cgtgtgtaac 240  
 accatcatca gctgactgtt gctgagatgt agagcggctg tacctcggcc gcgaccacgc 300  
 taatcactag t 311

<210> 8547

<211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8547  
 caagcttttt tttttttttt tttttttttt tttttttgga attttaaagt ttttttattt 60  
 tgaattaacc aatttaaaaa atgggctggg gttaagggtt ttaaaaaaaa aaaatagtgg 120  
 taaaaggcg gtttaattta ttttttgctt gtaaaaacgg gaaaaaaagc aggttaagtc 180  
 cttgccgggg ggggggttgg aaataattat ggaatttggg ggggtttgga gggggagctt 240  
 agggggaagt tccaaagggg tgggttgaaa agttggagtt ttttttggg ttgtttaaaa 300  
 agttgg 306

<210> 8548  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8548  
 cactctgatg gtgctattat tgtggcagtc tctttccttt atttgaactt atctttgaag 60  
 aaaagaatat ggcagatgct gacatagcat atgaacatta agttgaggag tctttattag 120  
 ctaaatagct caaaatacag gtggtgaatg ttgagctgcc tattgatggc atataggaat 180  
 gagagatacg tgaa 194

<210> 8549  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8549  
 agttggcaaa agttcactct ggggaatttt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 60  
 gtgtgtgtgt gtgttttggg aaggggtggt tgaggaagaa gagtgctagg ctggtgtttt 120  
 cttactccaa aatggaaata ctgcccttga ttcattctca cacgttatgt gaaaatacat 180  
 catagcagtc ttgaaaaga tctacgtott gggtctgttt agattt 226

<210> 8550  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8550  
 tgtcgtttgt ggggtggttt gtgtgttttg gttgtcttcc tgattctggt ctggtttttc 60  
 tctttttggt gtttttctat tgcgatgtg gtggtgttgc ttgtttctgg ttccgttggt 120  
 gttgggttct ccttcgtggt gttggttgtg tgctgtgtta ctgtttttct ctctgctg 178

<210> 8551  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8551  
 cagggtcacac agcacatcag tggctacatg tgagctcaga cctgggtctg ctgctgtctg 60  
 tcttcccaat atccatgacc ttgactgatg cagggtgtcta gggatacgtc catccccgtc 120  
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180  
 accatgacga gagcttgaaa tctggaccag tttattaaat gggatttctg ccacaaacct 240  
 tggaagaatc acatcatctt agcccaaggt gaaaactgtg ttgcgtaaca aagaacatga 300  
 ctgcgctcca cacatacatc attgcccggc gaggcgggac acaagtcaac gacggaacac 360  
 ttgagacagg cctacaactg tgcacggttc agaagcagg ttaagccata cttgctgcag 420  
 tgagactaca tttctgtcta aagaagatgt gtgagttccg tcctttgtta ttatttttaa 480  
 tgtcttaaga tttatttctg taccgtaata ttgacttatt taaagtgtgt aatcaacca 540  
 ccttta 546

<210> 8552  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8552  
 tatatgcgga gatggactct actctgcttt ttcctatagg acttcatgtg tgtgtgtgta 60  
 tgtgttaaag atgtgttggt ggtttccata agggaattct ggaaatcaaa tgtgggtatgt 120  
 ttatgtgtac ttgtaatcag gttgtcagtc ccttgctgat atggctttgt tttgtgtaga 180  
 tacgaaggaa tcttaatctt cgggggtggga tgaagagaga attatctata ttctttgaac 240  
 gcgttggtttt aagaatca 258

<210> 8553  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<400> 8553  
 atttaaaatt agtccccctt atgcatttta ctctacatgt gttatccttg caaagaaaaa 60  
 gactgacatc tttgagagca agagtttttg tcttattcac ctctgtataa tttccaacat 120  
 cgtgctttgc acattggaca ttcaaaaaat gttatacaag attgactgca tcaatactgg 180  
 agtggtgtgt gagggtagg tgctgaggct gagaagtgtg tgaggagagac ctgagattaa 240  
 acctgccaca taaagtggag agaagtagca aggtcagggc tatgaaataa tcccaaaaac 300  
 tttagaattt ctacataata cagttgacac tactattctc aatagagctg ctttcagtct 360

caaagggctg tggatgtgt gcgtgtgtgt gtggtaaaaa agggaagcag caggggaagg 420  
aagagaagtg tgatttcaca agacttaagt aatcttgtca ttgctgcttt ttctgccaga 480  
aaattattac cttcccttta aaaatcattt tcatatacat ttactaact tccatgtcaa 540  
tttcaccctt ttttttctaa taatagctac tatttattcg ggaccaacta gtatacttag 600  
gactatgctg ggtgctggag tgccaa 626

<210> 8554  
<211> 402  
<212> DNA  
<213> Homo sapiens

<400> 8554  
agacacgggg tgactgagga ggaagttaga cggaggacag ggaacgaagg ggaggcaaac 60  
aagtcacgtg agatatggac caattgctta aagatgctac aacacatgtg gaaaagtctc 120  
tagcatgatg gcaggagatg gggcgatgta tggatactga ttgcaatgcg cactgagtca 180  
taatctgggc aaaccatgag gccgacatct atatccgaag agcggaaact acaggggagga 240  
tgtgttcggt gctgactatg tgaatgatct aattccacca gagctgcaag ccatggacca 300  
tggtcatgca gaggaagatg cctaccacac gctaaggata aagccagatg acctgatatg 360  
tgacatggga gtctaagatg tctgctcctt gttctacata tc 402

<210> 8555  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 8555  
gtacaagctc ttacttctat tgatcctgta tgatctttca cggttctttc ttgggcctca 60  
aaaagagaca cttattaata gaaaaaaaaat gacaaggatg tccatccttt ggctcccttc 120  
cctccccctt cctgctgctc cctaaccctc actatattga gccatggctg gggctgggtg 180  
gcaggacagc caaaacatg agggcaacaa cattgagggg cataacacta atggaggtgt 240  
agcataaggg cccaatggct cgattagacc tctggtctct cacagatatt 290

<210> 8556  
<211> 658  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(658)  
<223> n = A, C, T or G

<400> 8556  
 cagtctttct tcagtgggag cccaggattc tgaatctacc tctttaacag atgaagatgt 60  
 ctgccatgag ttggaaggac ctatctcctc tcaagagacc agtgtactt cagggactaa 120  
 gagaattgat ctgagccgaa taagcctgga aagttctgca tccttggaag gatctctgtc 180  
 gaagtttgcc ttacctggga aatcagaagt gacatcttcc ttcaacgga gtaatacaaa 240  
 tatcttccag aactatgcaa tggaggttct catctcaagt tgctctcggg gtagaacttg 300  
 tgattgtctt gtccatgatg aggaaatcat ggctggctgg acagcagatg attcaaactt 360  
 caatactaca tgcccattct gtggcaatat cttcttacc tttctgaata tagaaataag 420  
 agatttaaga cgacctgnaa gatactttct aaagtcaagc ccatcaacag aaaatatgca 480  
 ctttccatcc tccatttcaa gtcagacgga gcagtcttg c atttcaacat cagcctctgg 540  
 tcttgacaca tctgtctct ctgttcaagg gaattttgat ctaaatagca aatctaaact 600  
 gcaggaaaat ttttgacccc gaagtattca gatccctgt aatagatcaa aaacagct 658

<210> 8557  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8557  
 acacgtgcag catgtcagct cagagcaaac gtaggggcct gcggccaaga tcagtgtcca 60  
 ttttgccat tacatatgac ttcataaagt gactttgttg gtctgtgatg ccagctctct 120  
 gaaatgtgca cactaacata aactgggatg gaatacgggt cgtgtgacag actctggaac 180  
 aggctctgtg gtaccagcat atatggagga gcaaggacc ggagctgaga atgagccatt 240  
 ggcgatatga agaagagctg ggtgggtgcac tcgggcatag atcgccaggc ttgtatattg 300  
 cacgtgtcgc atgtcttagg cacgttccac tgccaagtgt gactaggaaa atgaccacac 360  
 cgatgtatat aatgatgagg aatatggagc ttgcgagcct actgtggaca tggctgtgga 420  
 gatgatgggt gactactgta tcgaggccaa gcacagatag tctgggacat ggtaatgaac 480  
 gagtcggtca cgatacagat gcagatgtta tgcagcatgt cagctgtact actatgagac 540  
 gacgga 546

<210> 8558  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8558  
 tgaatttgga taatatgtga ctgaaacacg agtggcaata aaaaagcaaa catgaactct 60  
 ggggtttaat agatcattac atcagtatca tagaccatgt gactgtgggg cttataactt 120



gtgtagccta atgaagtgcc aaaaaagaga attatgattc aaggggagcg gatgaacacc 180  
 actattacag ttacagttta tgctgtatat ggattacatc aaacaaacaa agaacttgct 240  
 tgcgaatata ttatatatgc tctgtgaata acggatatgt atgtagtaga ctgtactcat 300  
 gctaataccaa aatgctcagc gatataata cgaatgcgac tggacaaact gattccttca 360  
 gttactgatg gaagggcggc acgatcttct gaatatattg catacctgac atactgacgg 420  
 gaagaggaag tgatgagaag cctataaaaa 450

<210> 8559  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8559  
 cacatgggga ttatatatttg tattggcaaa atgagaccac agctggcctg ccatcagatc 60  
 aacataaaaa ccagtattat ggtatatgag atgaatggat agaggtgggg ttatttcctt 120  
 attatagaga aacaaatgta tgtcttcac agtcttatta gggacatgaa tagacgaatg 180  
 tacaagtggc ttgcctacga gcctgtgcgc ttggcctacg agatcaatag ggggagacag 240  
 aaggaataaa cgatgggggc tggacaactg aggt 274

<210> 8560  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8560  
 acgggggggag gcctttcgtg cgagttttgc ttcacaagga aattagctgg aaaaggcttc 60  
 ttaaagaaac acaagggaaa aggaaatagg gcacaaggta ttattgaaat tcttttaaag 120  
 agcagtagga gcttgaaagt ttagaacctc cattatgaat tccaaccacg gaaaagcc 178

<210> 8561  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8561  
 gggtagacaa gttcatacag acatctgtca tattctgagc agcacatatg agagaagctt 60  
 tgtgttctcc ttgctctctt gcatgtttgt tttgagcttg tggctccaca gagactctca 120  
 tggatttatg acaaaattgg catgcgaatg atttttgaat cataacttgt ctattattat 180  
 gctgtagtgt ggta 194

<210> 8562  
 <211> 322  
 <212> DNA

<213> Homo sapiens

<400> 8562

```
actactgtag tactggaatt tttattgttt taaatgggta gaaaaatggg aatataataa    60
tatatgatat ataaacttta aatgaaaaaa aatgatgtat tgtagatatt tgatgtagtt    120
ttatttttta aattaatcat aaatcagact ttgattgtat tgtagtgata tatgactttg    180
aatatattat aaatgggaaa tgttgatttt ttaataatag acttatatgt aggggtgttg    240
tgcggttatg ttgtgtgagt gaagtgttg gttttattta gtgtggtggg gtttatttaa    300
agaaaaagaa ggtagtatta gg                                           322
```

<210> 8563

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8563

```
gtgctactgg gaacataatg ggtcagggtg ctatctaaca cgaatgatca atgtgactac    60
atctgaacat ggtgttcagt gtgtgagact cacacagagc ttaccagggt tgtgaagatc    120
tgctgtgtgt gcgagcttct tctattaatt aggaggactc tgtgatggac tgacctggat    180
ggcatatata tgggtcgatt gcctcagcag atgagtatct gcagataaag cgacgttatg    240
aggtaggtga agatcaagac aacaacatac cttatttggg acgactgagt atacacagtt    300
aatgagcata aacgaaatgt tatatatgat gagtgagctg atggcgagaa acag       354
```

<210> 8564

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8564

```
gttttttttt tttttttttt tttttccagc tcaacccttc tttaatgtca tccagggagg    60
gggccaggga tggaggggag gggaggagga gcgagaggca gtgattgggg ggtgggattg    120
accacttggt ccatgaagag gggagactgg gtatttgggt caatcatata aaaagacaag    180
ggggtgggag aactggacct ggggggggat aggacggggc atgggc                226
```

<210> 8565

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8565

```
acagaggacg ggaacaacaa agagtctgtg aacacacatg caaaaaaact ccataatctt    60
atgtacgcag actgaataat gatctgctgg gatgggaaaa tgacgcaaga acacggatgt    120
cacgaaacat accgtataaa cgagggtggg aatgaatgta aagaaaagct gtacgtagtc    180
```

ctgcagagga tgtaacatga agatcaagca gctgataagc tggcagatga catcacacaa 240  
 tacataacag cctgcaacaa ttatatcaga tagagagaca gaacattatg atgaggaaca 300  
 atgaaatgat agtgatacag acaacgatgt agagaccata gcttgaaatg atggaagaaa 360  
 gtgaagtga 370

<210> 8566  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8566  
 caactaggaa atatcggaga atgagactca gaagtatgct atgggatgct accttgaagt 60  
 cagaataacg ctgtgtttac catggaataa acgttaaatt actgttgctt tttggataag 120  
 tatgtattac ggcattgctgc acgataacac cttgtcgatt taaatttgat tttttgtttt 180  
 cgtccatcta atgcattaca tgctcatctc gaaagactta aaatat 226

<210> 8567  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8567  
 acggatgatg aaatgatgac atcatctacg agtgcattgct tgtaaaggac agcttagaac 60  
 agtcctatat gaacaatcac acctatcatg actggataaa ngaggcctag cgttgggact 120  
 gatacacaca caacaacaca gtgaagatgt ttattngagt gtatttattc tgatgccata 180  
 ggtaatgtag tttt 194

<210> 8568  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8568  
 ggtacaatac gtgcattcatg actgtcatta gaaacttggg gctatgtggc caagttcact 60  
 gttcattttg gtttttccat tttcattcag aaagtcctt tgttggtctg tggagaaata 120  
 tatatggaag tgtcacagta acatacactg tgatgtaatg tgttttatgt actgtttttg 180  
 agacaggctc tgtgacagt atcatatgat ggaggagcat aggacgagag cagagaaaga 240  
 gtcaagataa agccgaacaa gaccggaaat ccggaattgt gcacagatag ataaggctac 300

cctagtcagt gacgcaggat acagaagtgc ttgatctact gtgcttaggt gttttattta 360  
 tatttagatg aaaaaaatga taaccaccat ctaaagtcac agagatgctg tgaagagatg 420  
 tggaagcaat gtgagtgttt tgataataac ataaaggact gaaagggggg aaatagtagc 480  
 ctataaagta gttaaggatg catatgaaca taaaaaaca gagcaagaaa ccggaaaaaa 540  
 agaaaaagaa ggaggggaacg aagagcaaaa aaaagaga 578

<210> 8569  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8569  
 aaaaaaaaaa aaaagctaga acaagtecta ttgttttttt ttcttttttt gtaatgtgtc 60  
 caattttattc aagatactcc aaatcaaaaa cagggcacia caccaagccc gcggcccaac 120  
 acgcgacgga caagctgaaa atgttttttta agcaagtggg gggatattttt gttgaggcgc 180  
 gacgaagaga gaacaaaaaa ccacacaaaa caaacaacga aaaaga 226

<210> 8570  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8570  
 acagtcacag atgaaacaac atttgtaagg accatttatg taaactgctg agatgttatg 60  
 ttttcattttt ggttttcaca gacacattca agctctgtcc gacatgccat taaagcactg 120  
 gctcagaccg cagcatattt ttcatttttt aagtaactgg taagtattttt ttttctcaca 180  
 aacgcacacc ggta 194

<210> 8571  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8571  
 cagggactcg ggctaagatc atgtgaatcc agtggatgtg ggtcagatat ggacagtgtg 60  
 tgactagtgt cattaatcta tgactgaatg ctgagacaca cctggcggta ctagaaggaa 120  
 tgaaccacaca aaggaacgca ccagcaatgt gttcatgaca catatgatgt tttttagtat 180  
 atcatacaca cgcgagaatc atcactcgca gacttagcgg cagagaacta tagagacgac 240  
 gactgtcagc gagcagccga aggtggcact ccaa 274

<210> 8572  
 <211> 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8572

```

gtacaagctt tttttttttt tttttttttt tttttttttt tttttttatt 60
taaatcaatt aaagatttat gaaatttatt ggggtacagg gaataaccgg gacaaaaggg 120
ggagaaaagt tggtaaaaca agtgtatttt aaatattcta tacaattttt tttgtgtaca 180
tatttggaag tgatgggtat ttaaaaaaac cgcatagaaa tccacaacct taaatattct 240
gcaaaacaaa acattaggtt ctctcttcct taat 274

```

&lt;210&gt; 8573

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8573

```

gttaggggga aaattattaa tgattaattt ttatttttgg gtgtattggg atttgtgttt 60
cttattgtat atattgtgga aggtgttggg agtgaagttt ttgattttaga gatttgtgtg 120
agttttatta ttataatgat tgatagttgg tagaataaag ta 162

```

&lt;210&gt; 8574

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8574

```

aaggtttttt tttttttttt tttttttttt tttgggtggg aactcatttt tttattctta 60
tatattatat attggatata ttacgaatg ggatactttc catttggggg cagtacagg 120
tggtaaaaaa atttggaaac atcaggtctg aaatagctct agatgggatg gacttataag 180
gggcaactgg cacattcaag gactgtatga aatggcatta aaggactggg ttacaatgga 240
ggggtatctc taaaccggga gtaactggaa cgca 274

```

&lt;210&gt; 8575

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8575

```

ggtattgatt atggaaaaaa tgaatctgtt taggggtttt ttcccttaaa ggaagggaag 60
gaattttttt ttatgggaaa aaacaatagt taaaaaata aattgttttt tgggaataaa 120
taacacgtta aatggaatgg tataaaatat agatattttg taaaaaaagt ttacctttgg 180
gtataataac aaaaagggga atgggttttt tttgtaatga aggccggggg ttatgtggaa 240
gcaaccaata ttaagggggg tgggctgtcg atttagcttt gggttaaaaa aaatggtttt 300

```

ggggctgtta attgttattt ttagggggga aaggggggta gaaagttggt ttaa 354

<210> 8576

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8576

gcacgattag gaatttatgc ctattatcat agggatcgac atggctcctct tctctctcac 60

ctgtgatgct actgatatct tttgtcatct ttctgattgt gggatgagga aagtcttcat 120

gtttttatga tatctctaatt cttgtacacc tcggaggagg tgtgttttca tctggggcac 180

ttgtaatggg ggagctttgc tcgatatgcc atttttgcac tggataagat agtaagcata 240

tttggaact ggggggcaac tggatagcat aaattaaatc ttaaatgctg gttgtgccat 300

ctatggaagt aaacataatg accaggggat aatgcctagg ctgggtgagt atatcgccc 360

tgaaatatag gcttgtatgg gcatattctt ggactaattg ccacaagacg aaggataaag 420

agaaaataga acag 434

<210> 8577

<211> 242

<212> DNA

<213> Homo sapiens

<400> 8577

ctatgttttg ttgattatgt tgtattagtt agaatggat tgttttggtt ttggttggtg 60

ttaagtgtgg tgttgtgtgg tgttgtgatg gagttgtttt ggtagaagtg gtgtgtgagt 120

tgatcgattt agtaggggat gtttgataat gggttaaatt tatgtatgtt agggtaatat 180

gaatgattta aatgattttg tgtgaaggag agattttatg aatgaaaaaa gaaaggtaaa 240

at

242

<210> 8578

<211> 450

<212> DNA

<213> Homo sapiens

<400> 8578

ctcggagggtg ttggcttggt tgatgcttcg ccagggtgagg cgattgggtg gtgcgtgtca 60

catacttttt ataatcaciaa ttcacatcca gtgttgagct tgcggcgttg ctgtggatga 120

acatgccaca cactgtccga cagggtggaga gatattgtga aagtgtgggg attggtgagt 180

gagtggtttt gtgtgatgaa tctggcgatg tactttgcgg tcggatgagt ggtgtctgaa 240

tgagtgcgtg aaggctctga catatttgac aggagtgggtg cgttttgtgg ttagtgtcac 300

cgtacgtgat actgatatgt gatagtggag gagatgattg tgtatattga gaggatgggtg 360

caagagtgaag gtgaaagaga gaaaaagttg ggagggagtg gagagattag aggaagatga 420  
 aaaggggatg tgggtgtgtg gtatgtgagc 450

<210> 8579  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8579  
 caggtacaag cttttttttt tttttttttt tttttttttt ttttttttta atttaaata 60  
 aataaagaat atgaaaattt tttgggttca ggggataaag tggaaaaaat ggtggaaagg 120  
 agtgggttaa aaaggataaa taaaatataa taaatattaa ggttgggtta aaatttggtta 180  
 aggaggggta tttaaaaaaa atggaaaaaa attcaatact taaaaatttg gaaataaaac 240  
 aaattagttt ttttttatat aaaaaagggg gggggaatgt ggtgggggta 290

<210> 8580  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8580  
 aagctttttt tttttttttt tttttttttt ttgggtttaa ggtttttttt tgaaaaaaa 60  
 aaaaaataaa tgggggtttt atgttttttg aaaaagaaaa aaaaaagga agggggacat 120  
 tcccatggg ggaaattttt ctttgggtta aattatttta attatgggaa tgaaaactta 180  
 tatcaataac aaggacatt aaaaaatat taattaaaa aaaggaagg gaatggggg 240  
 agggagtctg gggttgggag ggaaggggtt tatgggaaaa cattcgggt taaggggact 300  
 ttcttggaat atttctgggt ttggggagat taagttaatt tcagggtatt caaatttctc 360  
 gggcgggggg ccgatgcacc ctaatgatcc gaccactag cc 402

<210> 8581  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8581  
 gtgttttttg atataatgaa accttttaag ggggttttac gcttaaagga tggaatagaa 60  
 tcttttttat ggcaaaagga taatgatcta agatataatt tgtgtggtgt gtttaaata 120  
 cgatttccaa tggaatgtga ttaatatcta tctgtgctca cgtagtcttc tctgtggggt 180  
 catagggata agtgcgattg ggtctcgttt gtagctaacg agaggg 226

<210> 8582  
 <211> 338  
 <212> DNA

<213> Homo sapiens

<400> 8582

```
gcacggagga tcattgttct ctcttctttc tctgcaggct tgacaagtcc atcttatatc      60
tttggtatat cagcatccgc acgttcatgc tggctaaaga agctatcttg gatgattaca      120
ttacatatgt tagtcttatt gtggggatac tgttttgccg atgatggttg tttgaaagct      180
gcgatttgat gtaccaagtt ttgattttct gccttttaaa tattttgttt tttttttctg      240
ttatgttgta gggtgatttg ttggtggttg agtctttctt taccattatt gtaacccttg      300
tttatTTTTG ggatatttta tgtattgtat ttaatttt      338
```

<210> 8583

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8583

```
cccaagactc tcattgttgc tcgaccttg gggctatttg tatttatgac atcattcaaa      60
tacctgcttt ttgaaact aatgcctacc tgcctgggt ggtaacaatg ttgtaagggt      120
tgctcatttg agtgaatgta ttttatattt tttcatctt ggtactagtt ttttgttatt      180
tctttcgtaa tattctactt gggtttgatg tatggctact atctcttatg ttttcaactca      240
tgtacttang ggcttttttag gttttagttg ttaatgtgtg tggatatttg ttctctatat      300
tgttcataga tattttattt actgattgta gtgttgtaa atttagatga tttcatgatg      360
aactcattaa ccaggaaatg gacgtgcgta atacgtatat tttttgtttt tgactgtgtg      420
ttctttaata agttcttgaa ttttctattg cgagtgttag atggag      466
```

<210> 8584

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8584

```
gttgtgtttg tggaaatgtg accttttttg ggggtttttg cttctagggg agtggatggt      60
tatgttgttt atggaatgag aatttttatg taaaaaatat tttgttttgt gtgtattaaa      120
agggttatta gatgatgtgt tcttatttta tatttatggt aagggatggg atttttgggt      180
tttatttaca agagagtgtt ggggtgtttg      210
```

<210> 8585



<211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(338)  
 <223> n = A, C, T or G

<400> 8585  
 ctggccttca aaaagtcgta gtggctatatt tttttggaca aaagtaagaa atgttggttt 60  
 aggagtaaca cagttcaaaa gagcttttaa gaagcatgca cacttatcac aaacaactct 120  
 ntcaggtggc cagtctgata ttggatataa ttcattatct aaagatgaag ttagaagagg 180  
 ggatacatct actgaagaca ttcaagaaga aaaagataaa aaagggagtg attgtagttc 240  
 cttgtcagag agtgagagta cctcggggga agaagcatgc atgtctgtgc tgatcccagt 300  
 gaatcctggg tccaggagta cctgcggtat ttatatttt 338

<210> 8586  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8586  
 gggttagtga acttgtagt tttgcatcct aatgtatgct aaaaaatttt tacttccaac 60  
 accatgatata tatgagcgac tgttttgtgc ttgctaata tgctacctgg gctgtgatct 120  
 acacagactg taagtctcat tggggacaaa ctgctccaag gaactgttgt gattgtaacg 180  
 ctgctatcgg gatgaaacct ggcgcttcag 210

<210> 8587  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8587  
 tgattatgga atcgtgaata tatacaaggg ttttttcccg tataggaatt gaatgcacta 60  
 tttctgatgt gggacacatg ctctttgata taatacattg atgtatgtga ttgaattatg 120  
 tgtctcattg atgatgatata acatactttg atatacatgt aatgtcttct ttatagtgtg 180  
 atgtatgata gtgcaattgg tcaccatttg tggctgaggc taggggtagt ttggaggatt 240  
 ccaatcttga tatatttaga gtatgcatca tacttttggg tgaaattatt cttgtcttgt 300  
 gatataatcag atattagctc aagggaacttg ttatcaatgt ttttgtcgaa tgactttgat 360  
 gatgttgcta tgctggcaca tctctcagaa gatgtcaagg gcacattctc agattgctcc 420  
 acatcctatg cattctattg aaattctctg gctgcgtctc atcaca 466

<210> 8588

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8588

gggtagatca gctgcgcca tcattctcca ctgcatgctt gacaagtcac atacttaca 60

cacacgtata tcaccaaccg caccttgatg ctggctacaa gagctaaata gggagataac 120

aacacaccgt acggacactg gggacatatc gtaacacagg agtcataatg gagagaaa 178

<210> 8589

<211> 530

<212> DNA

<213> Homo sapiens

<400> 8589

gtacaagctt tttttttttt tttttttttt ttttttttat aaaacaacgc aataccaacg 60

aaatatgaga caaaacaata aaaaccaaag aaagaagatg gggatagtag aaaaaaccag 120

gttgcttgca aaaaagacac atattacctt aggtccccc aaagataatg atggactttg 180

aaaaaaacca aaataaaata cggaaaataa atattaaata aataaaaaaca taaaacctac 240

tgttataaat aacataaagg agagttaaact ttggatgaga tgcttaataa aattaaagta 300

tgatgcgata agaataaaga actattaatt ggacaagtc agagaggcac aaattactat 360

gaacactaaa ccctccatga tgggcaagag gaaccggcaa cccagcggg gaggtttatg 420

gtctgggggg acgtccgatt ccaggggaga aaaaccagag cttgtaaacg ttattgagac 480

ttctactgga gagacgcaca atatatttca caccaatctg ttgtgggagg 530

<210> 8590

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(386)

<223> n = A, C, T or G

<400> 8590

taccggttgg ggtcccaagt gacagtgtaa ttccaggggg aggtggagcg gctctcgatg 60

ttacgtgaca tggaaacgcg ctgggttttca ttgatgatgc caatgtcaag cttcatacta 120

cctcctggca caggcgggca actctcangc ttttgaaaaa aagtatgtcc tactttgggg 180

atcttccgag ctgccgcctc actcagaaag gcaagcccca atatcgacag cagcaagtac 240

ttgaccatgg ctggggccatg cagggctctc actgtcatgt tgcgctgggtg gcttactttg 300

tgcaggaagc tctttctgtg aatgtatctt cctgaccctg ccgggcggaa gataaaacaa 360  
aaacgagaag aacaagcaag acaaga 386

<210> 8591  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8591  
tattaaaaaa cctaattctt cacccaattt ttttaacttg ccaggaacac ccaataatat 60  
ttttaaatat atcactttaa tagacttttc ttttagatgt cttttcttgt aaaggaagag 120  
gtgatatgtt ttcatttga tgtgcttaac tcaagttgat ta 162

<210> 8592  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 8592  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
tttttttttt ttttaaacca aaatatTTTT tggaggatta tttgggggtt tttttaaaat 120  
gaatggggtg gtggaacagg gggccttttg ggtttggggg ggggtctttt gggggttcca 180  
tgctgaatt ggggggatta aatttttagg gggcctattc gaccagttgg ggggggtttt 240  
tgttttttaa ccgtgggcct tccaatttta ctttttttgg ggcttggggg gggagcccaa 300  
tttggcacag ggggattttt ggaggggggg gggcttaaag ccacaggggg gggaaaaag 360  
ggggctttca ttgggaccct ctaaaa 386

<210> 8593  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8593  
caagcttctt tttctttttt ttttcctttt tgactttatc acaaaagtcc aaattatgac 60  
ccatgaaaaa atagagcgaa ataaccttac tgatgaaaga atacatggac ctctgcatag 120  
atcacaagga catgggggga gaagggcgcg cccacgcgcg ct 162

<210> 8594  
<211> 194  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(194)  
<223> n = A, C, T or G

<400> 8594  
gaccgtccta agtaatcaca ccgtacactg cacacaaaca tgggcaacca gcagctgctc 60  
ctgcatgctt taagtgtagg aatnacatga acatgaaata gtggacaagg agaaacaaca 120  
ggccaaggaa ccagctatca taggacaaga cagaaatgaa aagacatgac caacgtactg 180  
gagcggcgtg atag 194

<210> 8595  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(402)  
<223> n = A, C, T or G

<400> 8595  
tgcttaaccg atggctctga tgtggtcagt gaccttgaac acgaagagat gaaaatcctg 60  
agggaagtgc ttanaaaatc naaaagagaa tatgaccagg aagaagaaag ggaagagaaa 120  
aaacagttat cagaggctaa aacagaagag cccacagtgc attccagtga agctgcaata 180  
atgaataatt cccaagggga tggatgaacat tttgcacacc caccctcaga agttaaaatg 240  
catttttgcta atcagtcaat agaacctttg ggaagaaaag tggaaaggtc tgaaacttcc 300  
tcctcccccac aaaaanagcct gaagattcct ggcttatagc atgcgagcat tgaaagacca 360  
atagcaaact tatcagtacc tgcccggcgg gcgngtcag gg 402

<210> 8596  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 8596  
tttttttttt tttttttttt tttttttttg gtttttttaa gtttttaaac tttttatttg 60  
cataataaaa aaattgtgca ttccaataat taaaatcatt tgaacaaaaa aaaaaaaggc 120  
actctgaata aactggatta cagcctggca ggacacctgg gccagcttgg ggctactcta 180  
aatccactg gcggcccacc ccacctcccc 210

<210> 8597  
<211> 210  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

&lt;222&gt; (1) .. (210)

&lt;223&gt; n = A, C, T or G

&lt;400&gt; 8597

```

cccacactgt caaatgtcaa ctccaccagc atctganaac aatgagtagt atgatgaaat      60
gtagaaagaa ggaaggtggt aggtaaagga gcggaatgaa cgagtgggga aaggaggaag      120
gagaganaga gaaagaggaa gagaaaggaa gaagaaaaag acagcatggc cgggcctaga      180
cacaaaacca ggaggtgatc aagctcagca                                     210

```

&lt;210&gt; 8598

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8598

```

cgctgattga aacaccacta tattttcttg atttaaaaaa accttctact acccctcaaa      60
atgaagaaat tcgatgagtt gttatactaa taagatagcg gcctatgact gaaaatgctg      120
tccgccaaaa tggacgactg gtcaaaaatg acacactgta tggacaatca acaacacaca      180
ccacccccga aagcaacgcc ggcaggaccg                                     210

```

&lt;210&gt; 8599

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8599

```

gaggctcagt cctgctgggc ttggcaacga gggactcgga ctccggcagcg acccagacca      60
cacagacact ggggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcacia      120
agccatgatg gctacagcgt gtgctggtgg aaaccaagat aaagatgccc attttgcacc      180
accaagcaag cagaggctgt tgtgttgtcc aaaatcaaaa ctgcacatca acagagcaga      240
gatctcaaag attatgcaag aatgtgagga agaaagttag tgggaaaaag                                     290

```

&lt;210&gt; 8600

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8600

```

cgggctcgga ggccgcttca cggtcacctc ccacacgccc ggtgaccatc aaatctgtct      60
gcactccaat tctaccagga tggctctctt tgctggtggc aaactgggtg tgcattctga      120
catccaagtt gggggagcat gccacaact accctgagat tgctgcaaaa gataagctga      180
cggagctaca gctccgcgcc cggcagttgc ttgatcaagt ggaacaaatt cagaaagagc      240
aagattaaca aaggtatt                                             258

```

<210> 8601  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8601  
 aagctttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 taaaaaaatg aaacattttt tttaacagaa agaggggtggg ggggggtgggg taaaaaaggg 120  
 tttttgagaa agtttttaac cgaccaggt cttgggggaa atttttgggg ttaggggggg 180  
 gggaaaaaag gcctaagctt taggaggggg aatttggggg tttttgtgg tttgttttaa 240  
 aatagaatth tttttggctt tttttggca ctgggtggtg gggggggggg ggaaaagggg 300  
 ggcacagggt tctgtttttg tttgtcccc agatgttt 338

<210> 8602  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8602  
 gaaggcatga tgttttgatt tttttttttt atttattatg ctaaataagg gttaaacagt 60  
 gctacaagcc ggcaaacaaa tagtacggat ttcacgggag aagaagcagg accacggcga 120  
 atagaaatga tgccgaacca aaaagctgag aacatgttgg ga 162

<210> 8603  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8603  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 ttttttttta aaacaaaaa atttattgga tgattaatgg ttgacttttt taaaatgaat 120  
 gggatgggtgc aacagggggc ctttgggggt tagggggggg tccttcaggg aatccatgcc 180  
 tgaattgggg ggatacaatt tttagggggt ttattcgacc acttcggggg gtttttcctt 240  
 ttttaccctt ggcactccag tttttctttt ttttgggctt ggcggggggc ccacattggc 300  
 caaagggcga tttttgaagg ggggaggcct taaagccaaa ggggcggggc aacggggggg 360  
 ttttattggg acgctttcaa aaagaagaag tttcttttgt ta 402

<210> 8604  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 8604

```

tacatcttaa ataagtctaa taatttttggg tcatcttaaa gtaaaaatac attgaaatga      60
atgagagaga tctagatttt aaaaaagttg accattcatt attgctggaa ctgaagaaag      120
gaaggataca ctggcatcac gatttgtcta cataagtcca gttcatctcg cgtttgtttt      180
ggcaagaaga ggacactaca aaactcacag tgcagtcaaa acaaaacaaa acaagaaaaa      240
agcacaaaaa tggctgggtgg ggaaccatat aacaaaacta catctcaggc agctctttct      300
caaggaagat tctaagattt tattatgttg ctaattctaa attggaatg gaacatgccg      360
gtatgtgaag caattgggtgc taggacttta ccctttgctg atatgcaatg ataatgtgat      420
gagctttagt gactcttgaa tcaggataat cacactcttt aggtacctcg gccgcgacca      480
cgctaatacac tagt                                          494

```

```

<210> 8605
<211> 178
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(178)
<223> n = A, C, T or G

```

```

<400> 8605
ctctngagct tgtatggagg taagagtaga aacaccatta tgattgtaat aaacgagtgc      60
ttgaatgatac tggttatggg tggctgatat cacactatgg tgtagctcat gtgagtgatg      120
ctcatgatgc tagtaatacc gatgtgggta tggatggaga ctaatanggg gattgatc      178

```

```

<210> 8606
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 8606
taaggaaaga agtaagaatg aaattgaaga aagatgatta tgaaaaagaa gggagaaaaa      60
gagaaaaata atttttttat gtttttatgg ttttattttt ttttgatatt tttttgatta      120
aatttatttt ttatgaaaag aggtttgtgt tgtttggttg attttttttt gttgtataag      180
ggattgtttg ttga                                          194

```

```

<210> 8607
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<400> 8607
gtactgtttg gtaccttgga ttgcatgagt tgggtgggggc cggcgggcct agccactggg      60

```

```

cgtggaacga caccggaat agtggtgatg gagtgggaa tagctgttac ccttcactat 120
gaccgctata acacatgctg aacgatggat cccattgcac aattgtatag tgttgagggc 180
actactggga gcgattctta tacccaacaa gcgatacacc gacataacaa atgggtgggat 240
gggtataatg atcatctgtc gctgccacat cgataaatac tgaattgata gggaatatgt 300
tggttg 306

```

```

<210> 8608
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(306)
<223> n = A, C, T or G

```

```

<400> 8608
gacgtgctcc acgtggaacg gtggttccat actgtccctt ctgtacacta tacaacgnat 60
gtgagaagca aaacangatt atgatgagat atggccctac atggtttacc gacatatgct 120
tatatgaaag actatgactt attctgcgtt acatcacctc tgttgtaaa gatggtaact 180
tgcgtataag acatgatgag attggtgtgg ttttatttga attttttggt ttgatttggt 240
ggttattttt atattgtatg agttgagtat tataatttag taacggcaaa tgtgtcacc 300
acattg 306

```

```

<210> 8609
<211> 242
<212> DNA
<213> Homo sapiens

```

```

<400> 8609
gggcagggtg acgcgtcgtt atctaatttt tctgaatcgg aggccaaaag aacaaacaag 60
ggcacgaaaa taggccatgc ctttttttga catttataaa aggtttttgt tttattttat 120
atagatgggt gattatttat agtgggaac agttgtataa gatggttggt tgttgccatg 180
tttttgaaaa tataatggat agattgtgtt catggaattg gtttatattt tgataataga 240
at 242

```

```

<210> 8610
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(226)

```



<223> n = A, C, T or G

<400> 8610

```

ggctactgnt ccaaggaggt aaaaggtagc ttactgggtg tcctcccatt caggttanaa      60
ggagnaggtc tgcgggntag gnagnntcaa taaagtggat tggctcttagt ggggcgaaat      120
attatgtntc ttgttggttg gtatatatgg nagggatggg gnattattgt ctaggtatga      180
gggatggtat agtgaatagg ggcaaggcac gtcctcccta gttttg                      226

```

<210> 8611

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(194)

<223> n = A, C, T or G

<400> 8611

```

gctgcaacgg ctattattca tcctagtggg ntaatggagc antagggttag tattttgcgt      60
tgctgggttt ggtttaatcc acctcaactg cctgctatgt aggcataata ttgagtatag      120
tgaggagaag gcttacgttt cagtgtgggc atagtattgg gtatatggag cgtagatggt      180
ggactgtact tgtg                      194

```

<210> 8612

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8612

```

ctgcaagcag gggggacgag caacgtgaga tgagcagggg atggccaggt gaagcggctg      60
gagatgtttt aatgcaccgt cgcaggggtgc aaatgagaga gatcacaagc agcaaaacaa      120
ctggatgaga cgatgggagg ggcaaggatg ccagatgtca agagatccat agcgctgaga      180
ggaatgtggg aggggggatgc tagagtcata gtaaagggga aaccctatgc tagctgtcaa      240
cagagttcac aggggggtacg ggataactgt cggt                      274

```

<210> 8613

<211> 157

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(157)

<223> n = A, C, T or G

<400> 8613  
 gntacatggn cctgntttctc ctatatggna anaaaaanac atcccccccc tgnaatttcc 60  
 cagntcctct gnagnattta atgggtgcct aaggagcata taatgaatgt cattgccatt 120  
 tacgaggtac ctcgccccga ccacgctaata cactagt 157

<210> 8614  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 8614  
 ctactgttcc aagaatggta aagaggtagc ttacgggtgc tcctcgaatt cagttaaaaa 60  
 gaagggggccg gcggctagga agtcaataaa gggattggct ttatgtgggc gaaaatatta 120  
 tgcctttgct gttgggcata tatggcagga tggggaatca caccaccacc acaacct 177

<210> 8615  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8615  
 tagggggggg ccccggggag agggggccaca acaatgtaaa ggcttatgct gggaggaaaa 60  
 gggcaaggtt ttgccggtgt ttttttaaaa attatttttt tgataggagg gaagaaccgg 120  
 ccttcgaagg gaaaataagg tactactaa aaagggggccc ccttaattta aggttaatgt 180  
 gttaaagggg gatgcccgcg gtccctgggc ggcaacaacg taaataacaa gggaactggg 240  
 ggccgcggga ggggggaaaa taggggaaaa ctcccaaaca gggggatgaa tagttgggat 300  
 ttata 306

<210> 8616  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8616  
 gatgtgatta tcctaattca agagtcacta aaactcatca cattatcatt gcatatcagc 60  
 aaagggtaaa gtccctagcac caattgcttc acataccagc atgttccatt tccaatttag 120  
 aattagccac ataataaaat cttaaaatct tccttgagaa agagctgcct gagatgtagt 180  
 tttgttatat gggtcccccac cgaccatttt tgtgcttttt tcttgttttg tttgttttg 240  
 actgcactgt gagttttgta gtgtcctctt cttgccaaaa caaacgcgag atgaactgga 300  
 cttatgtaga caaatcatga tgccagggtg tccttccttt cttcagttcc agcaataatg 360  
 aatggtcaac ttttttaaaa tctaaatctc tctcattcat ttcaatgtat ttttacttta 420

aatgaacca aaaaaattaa acttatttaa aaagagaact gccggg 466

<210> 8617

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8617

cctgggaaga aaatttggtt ggtggagggg aacgggggca gtcctaaaag ggatgctgtt 60

gttaggggct taaaaacatg gcctgcccc gggaaactga acaagggata gagggggagc 120

tccccaaggc tcctgtgtgt ttactaaaa gggcaacagt ctcaagtggg ggctggaggg 180

gaatacactg tttttaaggg ttagggaaaa gagggtgagg ggatggaatt gaaaaaatat 240

atattttttt aaaaatattg gggaggggaa tctctactga ccttgaaaa cgggaaacaa 300

gtgggcccct ggggcgaaac aaccctaata actaggaat tggggggcgc cgggggggca 360

acactagggg aaagccccc acgcgttggg agaatatctg ga 402

<210> 8618

<211> 338

<212> DNA

<213> Homo sapiens

<400> 8618

ggcacgcggg cggggtgggg gcgcacaccc ccccttctgg cgcgcgcgcg gtgagggggg 60

gggggcgtgg gaggatgggg ggatacagta tcaaatgaaa aataaatgtt aaaaaatcaa 120

aaggggcggg ctccctaaac aattttggcg ggccaaaatg tgagggtatg gaggggaggg 180

aaaaaaaaag ggggggggca tggggggcgc tgggtatatg gttctttacg ggggggggga 240

tagggatgga cgcagcgggg gcgcccccta cgacaaacca cccgcaccct gccctccaca 300

catgcggggc tctctaaaca tggcttcctt ctaagaac 338

<210> 8619

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8619

tctggtcaaa agtcaaaaa atggagttta caatgggcat aaatgtaaaa agtgactcaa 60

atgggaggaa aacctggggg ggaaggaggt atgcgggtga gtaaaaactt gcaaagcagg 120

tggttaccct ttgccatgga acgctcgctt taatacacct gattaagcac acaaggctgg 180

ttgaaacatt aggcaggag ggtttgtgtc ggctgggcag gaaggggggc atcacgctgg 240

aagaggaaag cagcgact 258

<210> 8620

<211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8620  
 gctggtctg acggtcaaga aaatgcggga taaactactc aactggctac tacgtggaat 60  
 gacactgtta tcgtcatcgt acagaacgac gacatccaaa cgcattattgt agagatacgg 120  
 accagtgtat ggaccagggg gatcgaggaa acccgcttca tctaataatga cctacactta 180  
 taatatgttg aatgaggatg gtgagtggtc tgagcggaaa aaggggaccc actgataaga 240  
 gg 242

<210> 8621  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(226)  
 <223> n = A, C, T or G

<400> 8621  
 angaaataag actgaggggtt ctatctacac ttgtagcggga catcaaaca ctaatgagcc 60  
 aattcctcct gctgcaactg gtctaacgga tgcagcagtt tatactgac gacatgatct 120  
 ctaaagccca taagccgaaa aatggcatct gagatatgct gggccagggtg atgttgtgac 180  
 gagatgtcag tgatcagatc atctaccttg tcataggcca tgaact 226

<210> 8622  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8622  
 aattgccaaa tttgggaaaa acacttgtgt gtgggccaaa ccctgtgggtt aaaagagggtt 60  
 aattaataaa ttactgacg gggggagggg ggtaaggta ttgtgggtta aaggactgtt 120  
 gcgtaaaatg tctattcgct gcctacggct gccacaaaag cc 162

<210> 8623  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8623  
 tgattagaga gacggggaac agagccgcct ttctacttgg ttgggcgtgt tttccctggt 60  
 cttattgttt gttctgggtt taagctccaa aaaagggggg ggccatgtta tcttcaatat 120  
 gttttgggtt tgggggcggg tgggtctttt atgtgacca cagatgtcca gaaaactagg 180

gagggaatttt tatt

194

&lt;210&gt; 8624

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8624

caccctaaca gagggaaatt ttttttaaaa aaataaataa aataaaaaaca ataagcaaag 60

aaaaatggat gtaatagggg tgggtaaact aaaaagctac aaaaaatggg tccctccacg 120

gaaaaaatta tggaactgta aaaaattgtg ggaagaaact atttgggaatt tctcgagttt 180

agtaaaacag ggaaagaata agggaaaaag tgggataaag aggatgataa atttgggtaa 240

gggtggggga attcaagcct tccaactaaa taaaacctat tttccatacc ccattatggg 300

ggggacccag gggaacgggg gcccatgttc tggaaaggaa ttcggggagc gggggggaaa 360

aaaaagcact ttttggccaa aatatagggg ttttgggtgtt ttcgggcctt tgaaggcggg 420

gggggacaca cagaaggggg ctataatggc aacaccccta ataaaggag ggggcttcaa 480

agggaatttta aaaaaata 498

&lt;210&gt; 8625

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8625

aaattctttt gtgaattatc gtgaggaaaa aatatttttt attaaagaaa atctttaatt 60

aaacgagggg gactaaaacc aaaaaaaatt taccaaaaag ttaagcacct taatcaatgg 120

gttcaactct atttttcggg cggggggaaa aaagggggga aaaagccggg gagggttgga 180

gggggttttt taaattttta aactaattat aaaaaataact tgggaggggg aaaaaaaagg 240

cttaaccggg gtttttaaac taacagcaca ggttttcatt cacccttttt acctaccca 300

aaaaaaaaa aaaaaaaaaa aaaaaaaag ttggcccctg ggggggaccc acgctaataa 360

cttagggatt ggggggccc gggggggccg aaattggggg aaagctccca gcgggtggga 420

ggaatagttg gatttttttt tagggtaact taaatagttg ggggtattta gggatatggg 480

ggttttgggg ggaaattgtg taccgggctc aacc 514

&lt;210&gt; 8626

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8626

ctgtgttggt gggggggcga aaaaaataa aaagaagggt cttgagtggg gtggaaagag 60

ggggaaaaaa aaaagggggg ggaaaaaggg ggaaaatagg ggggggggga aaggaggggg 120  
 cgcggtggctt ttttggtggt tgcgagaaag aaaaaaaccc cttttgaggg acgcgccc 178

<210> 8627  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8627  
 aaaaaatggg ttaaaaaaaaa aaaaaaaaaaaa aaaactggtg ctaacatttt ttatatattgg 60  
 ggtttttttt ttaataacat taaaaatgga aagagttttt attttaagtg cctctggggg 120  
 taaaaacaac ctccatctcc ttggttaaaa aaacgctttg ggcccctgga gggaaaaaaa 180  
 tctgtgaggg gtgggaaaat catccaaccc ggaaaacatc cttcaacaaa cgcgccaagc 240  
 aaagagtatg agggggggac atcaaaatta ggggtgggat tttaatggaa atctctctca 300  
 taacctcttt tctttgggtc tacagtaggg gtaaaaaact ccaaagggga tttaaaaaaa 360  
 ccaaaaatta tttaaagggc ccctcgcccc ggaccacgcc attctttagg gatcgcgggc 420  
 cgcggggcgg gcggaccatg gggaagaccc cccaacgcgt ggggtgcatt ggttggtttt 480  
 ct 482

<210> 8628  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8628  
 tagtgcatag tttttattat attcgttttc cggagtggag cgcgtgtttg ttccgtttgt 60  
 gttcgtctaa gacgtgaaga aaagctgatg gtttgtggtg tatatatgtt acacactgtg 120  
 tggagtagtg ggcattctgt aagtgaagcc cacaagcact gtatttatcc ctgacctgta 180  
 tactaccatc tgctgccttc cctagccgca ccaatctact acctataacc aagtattgcy 240  
 gatatgatca caggctatac cagacaatgc agtgaacaag tgaaagaaat gcatgtggtg 300  
 tgaagtgtga tatataaaaa gcccatgcag aataccattg atgccctgat ggaagagaaa 360  
 atggcagcaa aaatttcatt attctcacia gcctgaaacg cgtgaattac aagggtctaa 420  
 agaaatacta atgcctctaa cctttcctat agctgctttt tatctgaagg gttccttgaa 480  
 tg 482

<210> 8629  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8629  
 gttgtgacag tgaccgtggg ggatattgag attgagataa ccaatatcac tacgggcaca 60  
 acatacattt atgacgctag agcaagaggg cgagaataac gtggataata aaattgacaa 120  
 agacagcaga ggcctcaata cccacggact cctgtcttga cccgaagtag agactgttaa 180  
 gtctctgatgc gtgcctgcc ctctcttcat tgctgccctg gaatgtacct gcccgccgt 240  
 tccccaaaa cagcccgaa ctggggctgg ttaatgcagg tgatgaacca gtggttggt 300  
 ttgtgtattg ttttgtttta aa 322

<210> 8630  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8630  
 tgtgaactgg gacctttagt ggtgggcatt catgctgcat atttgtgtgt tgtgttgacc 60  
 tggtggggac ggaacatcga gtcctgggtc gatgatggag ctgatggagg gctggatgac 120  
 taatgggcgg cccaggccgg gggggaccaa actccaacac aagacaggag cgagacgtga 180  
 ggggagggag ggacacacgg ggcggccatg gacgcagaca gcaccgtggg ctgtgcagtc 240  
 tttgttgag gcggagcaca agccggtatg aggatagga taaaattaat gggatcact 300  
 tccctttttt tgtttttggg atttttaacc acataaat 338

<210> 8631  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8631  
 gtgaaaatat ggtgttttagg cgttttgtgg aggttggtgg ggtggtctat gttttttttt 60  
 ggatcttatg ctggaaaatt ggtagagatt gtagatgttt ttgtatatga aaagggtttt 120  
 ggttgatgga tattgtttta aagtgaggag aatggtaatg tgttttatgt gtttgatgtt 180  
 aattgatttt attttttagtt tatgtagggtg tttattatat gtatgtcata atagtttgga 240  
 aaaaggcaga tattatttaa aaaagggtaa atataatgat gggttaagaa gattgaagat 300  
 agaaaa 306

<210> 8632  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 8632  
 tacatttttc aagctgtttt tctttatgtt tttgaaggac catttttaat tagctctttg 60  
 atacaaagta actcagaacg tcaaacctg taccactaa agggaaggct gccgggaagg 120

caaatggaac aggaatggag cctgtctcag gaaggccagc cgcaggctcct ccagaaaatc 180

aaagaaggga agaaactctg agtttgaggt acctcggccg cgaccacgct aatcactagt 240

<210> 8633

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8633

gtccccctct tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt tttttttttt ttttttaaat agattttttt ttttgaattt tttgaaattt 120

tgaatttaaa atgaattgtg gagggggggg ggagtttcaa tatgttggt gtgttttggg 180

actgggttgg cggc 194

<210> 8634

<211> 493

<212> DNA

<213> Homo sapiens

<400> 8634

acatattaaa taagtctaata aatttttggt catcttaaag taaaaatata ttgaaatgaa 60

tgagagagat ctagatttta aaaaagtga ccattcatta ttgctggaac tgaagaaagg 120

aaggatacac tggcatcacg atttgtctac ataagtccag ttcattctcg gtttgttttg 180

gcaagaagag gacactacaa aactcacagt gcagtcaaaa caaaacaaaa caagaaaaaa 240

gcacaaaaat ggtcgggtgg gaaccatata acaaaactac atctcaggca gctctttctc 300

aaggaagatt ctaagatttt attatgtggc taattctaaa ttggaaatgg aacatgctgg 360

tatgtgaagc aattggtgct aggactttac cctttgctga tatgcaatga taatgtgatg 420

agtttttagtg actcttgaat taggataatc acactcttta cgtacctcgg ccgcgcacac 480

gctaactcact agt 493

<210> 8635

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8635

acaagctttt tttttttttt tttttttttt tttttttttt ttgggagggt tttgggtttt 60

tttttggttt tttaaatttc aggaattggt ttttttattt aattcattaa cctttttttg 120

aaaatatttg aaaaaaaaaa ttttttttta aatttttttt tttggtgggg aaataaaaaag 180

ttggaggtta ggggaaatta agttgaaaaa gaaatgggaa catccacccc cacctttttg 240

gaaaaaaaaa aatgaatggg ggggaaacca agggtagaag ggggaacaggg ggtagggggg 300



gcacgggggg gggctggctt tccacctcct tacatttttg ttacaggggc ccaaaccat 360  
 ttggggggct ttggaaaaaa aaatggcaag gggtttttga gtaaaaagg ggggggggga 420  
 aaaaattctg gatttcgggc cctcacaaaa aagggtggtt agggttttca agctgggaaa 480  
 aacacattaa aaccggggg acttttggg ggtggaggaa aacaaaaaa gggaaaacaa 540  
 cctgga 546

<210> 8636  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8636  
 ggggtgtgata tctttttttt ttgtatatat atgttggtgt tatggattat gatataattgt 60  
 ttttaataat ggagatagaa ttgcttggtg gattgaaagg gagtgtttat ttatatttat 120  
 taagaaatag tataacgata gattgttggt taggttaaga ttgaatatat atttataaat 180  
 taatattgag tatattattt gttgtgttta tattatgaat taaataaatt gatatgattt 240  
 attttattat ttgaagtcac tatattaata agattttatt aggtaaagg 290

<210> 8637  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8637  
 ggtactttct atgaaaagg tttggccata tagttgttgt tgacgttctg ggtgaaaatg 60  
 gaagggtttt gtggtccgaa taaggggggg aaacgataaa cagggtttcc tcatgaagaa 120  
 ggggtgttgg acccttggtc gtgtccgttt gttattgatt tgggggcatt tctgttccag 180  
 actaaggaaa cttggacaaa aaaagaaaac attagttcgt ggttgcatgg tggatgtaaa 240  
 tttgactgtt ttaacctggg ttattgtaca aatg 274

<210> 8638  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8638  
 gtgccggcac cacatgaaat gggggaccct ccgtttgctg ttcacagtt gtgcacctt 60  
 atacagttct gttggttaga tagaacaatg agcagacatc tgcacgagga tgacacggct 120  
 caagctacat gcatgtgtac ggtgatgtgc tatgggccac aaaggtagcc tatgcgtaca 180  
 tggaaacttg attacaacta gggcatattt atggctgatt taatgtgata acagtcccca 240  
 gtagtcgctt ccgaataaat gaaaagtgt ctactgtggg gtctggcaag aaaaaagcaa 300

aaatcatgat attcacgctc acatgcaaag aaagtata

338

<210> 8639

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8639

aaccttttgc ttatgctggt ttttatttgt ttgtttatct ctatcatttg ttttatataa 60

aaaaagggtgg aaagttgaat atatacaaaa ctaacaagat aggaaacctg gcaaataata 120

cataatggct ctaataatca cataatagca agctgtcctg ag 162

<210> 8640

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8640

tgcacatgaa acacaagatg agaaagtgtg aagtggagac acagaatagt aagaagggga 60

caactagaga caagtctggt gaacaagaga aacaacaaaa caattgctga ttcattgttc 120

aacaatatag agggacatca ctggggcgag atgccggtgt gataatgtac actagcgggtg 180

gagccttggc accg 194

<210> 8641

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8641

gcacaaaatc tagatttgct aggctcgagg tagagaagga catatgttat agtagatgaa 60

aatgatggaa tagcaatgag atacaaaatg caactaaaaa tgggataatc tagatattag 120

agaggacttc aaacatgcaa ataggaacca caggtgacta tgatggtata tcgatttatg 180

tgtgtgagta ttcattggtat tacaggctga atgtaacaga cacaagcaaa taggttcctt 240

aagactgtgt ccttgttctg tcggatgtgg gcggggagga tggatcatctt ctctgggtgc 300

tcactgttag actttgaagc gg 322

<210> 8642

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8642

gtacaatatt ggtaattatt ttatatctgt gaagggtgtg agttaaaaaa aataattcat 60

agaatgacaa aaagtactta actgttgtgt tagctggagt gaaaggatg atgatataata 120

ttaactggaa acagatgaat gtccacggag ctttctgttg gagaggacat tgcagccg 178

<210> 8643  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8643  
 gtaccaatac gaccaattgt gtacacatcc tgtataggca tgtgcatggg ctigacaatg 60  
 ggacgagtgg gtggttaggat gcagtcaaaa gcctcaagca tagtggttcc aatggaattg 120  
 tgcatactta ggggtgtact ttccatccat atgaactatt gcttghtaagc acattggctt 180  
 ccaagatgtt gagagcattt aaaacaaaga ttggcacaag agatactgtg tatgagatag 240  
 agagaatttt tttggtgata gggatggatt catttgcaat aagattatgt ctataatagc 300  
 agtttggcgg attcaggcga atccatgatg taaataccga ccgtggggtc gcaccgaagc 360  
 tagtgtgttg gatctaaagg tttgctatat gtggtgacca tcagtgttta atgccatcta 420  
 caatatggag catctctccc ttaaaccatc tggaacagcc acagcc 466

<210> 8644  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8644  
 taaattaatt agggaaaggg ttttgagggg ggggggtgga agaaaggggt tgggtttggt 60  
 ttgtttctcc tccccaaaaa aagccactaa agcagttaca gaaatgaagg gtaaaatggg 120  
 ggccacaaag ccatggtatg tagcttttagc tcagggaaaa aaagagcgcc gggctcacct 180  
 cattaaccag tatatgcaga gatgggcagg ggtacctgcc gggggcgccg ggcggcgggg 240  
 cgcgctgggg ccgggggt 258

<210> 8645  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8645  
 agtactgttt ttgttttttg tttgtttttt gaagcgagag atgacggtat gggggaaaaa 60  
 tggatgggaa aaggggaaca aaggagaggg aggatgagag gaaaagcacc atccacgcga 120  
 tgagagaggc tattagttag ggacagagtg gggacaaaag agagcaaagg gaacgtga 178

<210> 8646  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 8646

catttttttt tttgtttttt ttttttttct ttctattttt tttttttttt tttttttttt	60
tttttttgac tttctttggt ttttttgtga tgcttttttt tttttttttt tatagtaatc	120
aaaatataaa aaaaaaaaaa aggaccgggg ggaaaaaatc tggggaaaaa ctaaaaaaac	180
gggggggaaa acaaaaaaaaaa aaaaaaagaa aaataaaagc gggcgagcca caaatggggg	240
gggaaagggg aaaaaaaaaa aagaaaaaaa aaaaagtaac aaagggggcc ccggggaggg	300
ggggcagaag ggaaaaaaca cccatcccgg gaggggagag gggggaaaaa aaaaaaaaaa	360
aaacaccaaa aaacgccctt cgggca	386

&lt;210&gt; 8647

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8647

caagcttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	60
tttttttttt tttttttttt tttttttttt ttttaaaaaa cggggcatta attaaaaaaa	120
aagggggaca aaagaagggg gggggggaag tcacaccaa actgggggta aaagaggggg	180
gggataaact ggaaaaaaca atcaaaaagg gggggcaaga acaagaaggg agtggggaaa	240
ttataagtgg gaaaaaagcc aaagataaaa aaccaccaca aaaggggggc catatgggaa	300
ggattcacac atgagggggg tggatcaagg aaagggtcct atccattgaa aaatatatca	360
ttgcggccat catatgaagc gagagcacc tgcaatgaag aatgttaagg ggggggtgga	420
gagggggaat aaaattgggg gaatggccac	450

&lt;210&gt; 8648

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8648

ctattttttt tatttttttt tttttttcaa catatataca aaacatcatg gtaaaatgta	60
aaaggaaaat ggagtgcgac taggaataat gaataataga agattataaa taaatacgat	120
attaatataa attaattagc ggtcataata taatgattca caacgaaact ctggaacata	180
tataatagcc tcatgacatt actatttaaa taaacatgat ctgcatccaa actatttaat	240
gcttatttac tgcattacct tcggagacag ggtctagctc tgctgaccag gctggagagc	300
aggggtgcga tcttggctct gtggaaccga cgctcccg gccaagcga tctcccgc	360
tcacacctcg gccgcgacca cgctaatac tagt	394

&lt;210&gt; 8649

<211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8649  
 agtatttttta tttttttttt tttttataaa aaaaaggaca ccacgaaaaa ggaagacggc 60  
 aaaggaaccc acacgtaaaa caaacacaaa cggcaaaaag aaacaactcc ctcaaaaacg 120  
 cggccggaag acaaccagg ggggggggag cgaggaaaaa ac 162

<210> 8650  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8650  
 tttgtttttg ttgtttgttt ggtttttggg gttctaaaac cgggaagggg ggtattcttg 60  
 gttccagcaa acgtaaaaag ggaagaaaaa tgggtaaaaag ggaacaatga agctcggagg 120  
 gaagttttcc gggggggacaa gggggggctta aaggtaaaaa aggtgtctgt aagggatgtc 180  
 ggtgggggaa acgtggcggg ggacagaaaa aatgaccac caagggaagc aggggggctta 240  
 actgctaagg ggataatccg gaacaatcca ggcaaaataa gggcgggtta tgcccttgta 300  
 tggaatggcc atagggttaa aatggcatgc aggtttgttg agaggaagga aaaaatggat 360  
 ggccgtgcgg gtaaaaagct ggaagatggc ccaaatcggt gagagtgtgg tgatgttgcc 420  
 atgggggatg tgggtcgggtg agagcacatg tgtgtggaaa gcctctaata ctacgcaact 480  
 tt 482

<210> 8651  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8651  
 gtacttgttt tatttgtttt ggggtatttt tataaaacaa aaaacaaaat aaaagccttg 60  
 aaaaataacg gggggcaagc aaagcgggaa aaagggggaa aagcacctcc cggaggggaa 120  
 cccccggggg caaggccag ccaaagagac gggacagaga caagaaaccg ggaaaaggaa 180  
 atataaaaaa agggaaaggg cgagcccaca gaaacccaaa ggcggcacag gggggccggg 240  
 gcgggagaac ggggaccag gaagccagga aaaagaggga acaaaaaaaaaa gggagacgga 300  
 ggagggaaaa ccagggaacc accggcggca gcaggcgggg gcgaaggggg ggaggcaagg 360  
 ggagggacag aggaactaaa aaaagg 386

<210> 8652  
 <211> 159  
 <212> DNA

<213> Homo sapiens

<400> 8652

gtacaaatTT agtaatttat ttgtaaattc tgccagaata ctttctagct gctttgtaat 60  
 tttttaagag tggtattttg tttttgtttt tctgttcttt gttgtggctc ttgttttcat 120  
 ttttgttgta cctcgggcgc gaccacgcta atcactagt 159

<210> 8653

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8653

ctgatccatc acacatactg cgtgggttctg atataggggtg agtttgctgt tgctgctcat 60  
 tgatatgcaa taaggaactt aaggaggcct tctgacagaa gtcactggctc ctgttttgctc 120  
 tgaatgagct gcaaagggtg acttgggtgg tggcgagAAC tacatgacac agatgagagt 180  
 gtgattatgg gaaatgccct gaacagttct gagatgctat atatttggaa aggcgtgttg 240  
 gtttgagtgt gggaatatca aaggacacca ccag 274

<210> 8654

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8654

gtacggctcg gagggccgct tcacgttcac ctcccacacg cccggtgacc atcaaactcg 60  
 tctgactcc aattctacca ggatggctct ctctgctggg ggcaaactgc ggggtgcatct 120  
 cgacatccag gttggggagc atgccaaaca ctaccctgag attgctgcaa aagataagct 180  
 gacggagcta cagctccgcg cccgccagtt gcttgatcag gtggaacaga ttcagaagga 240  
 gcaggattac caaaggatc gtgaagagcg ctccgactg acgagcgaga gcaccaacca 300  
 gagggctcta tgggtggtcca ttgctcagac tgtcatcctc atcctcactg gcatctggca 360  
 gatgcgtcac ctcaagagct tctttgaggg caagaagctg gtgtagtgcc ctctttgtat 420  
 gaccctttcc ttttacctca tttatttggg acctcgggcg cgaccacgct aatcactagt 480

<210> 8655

<211> 316

<212> DNA

<213> Homo sapiens

<400> 8655

gcaccacgag tttgagaagg agatgggagt gtgatggatg ccaaacgaat attctagtgc 60  
 tccatcagct tgcgaggatg tacagaaccg gggaaactgag atactcatat ccatgttggg 120  
 ctgtaaaaag gctgtcaaaa ccataagatg cacgatggac aatatgctgt gggcctgggg 180

acacatactg aaagacgggg ggaggagggg aaggggaggg ggcgaatcgt tggtagcggg 240  
 gggaaagtgg aagacagtga gaagacctag gccgcgacga cgctaattgac tagggaatta 300  
 gcggggcgact gggagc 316

<210> 8656  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8656  
 gcgtgctcaa gctttttctc ctttctatgt ttttttatgt atttatcctt gccgtgtgta 60  
 gcatgtgact ttaaaaaaaaa ccaacattat ccacaaggga taggcacatg aaggggggaga 120  
 tgggtggttga aaagatgttg acctagaaaa taaggcctag cacacagtca ctgaaagact 180  
 attggatagt acagagggga catgaaagac ggaagtgtgt ggagaacatt gacagaccaa 240  
 aagttgaagg gggaaagaaa aacacaagac ggccatgtca ccgaatgttg tggagtgggg 300  
 gggggggaggc gctcgggcaa cagacaggcc atataacaga cgatctacag agagggcaca 360  
 gggacaggga gcacggtgaa gcaggagcca gggaggtgga aagcgacatg gccgggaatg 420  
 gggagagcca aatattgtga tctacagata gtgcacctct gatggcgaga gaccatgcac 480  
 ctgaagctct gtatgtataa tggacggccc aaac 514

<210> 8657  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8657  
 tacaagcttt tttttttttt tttttttttt tttttggtta tgggtctttt attggaaaaa 60  
 aaaaaaaaaa aaataacatt tacaacatgg gaaggaagta aactgtaatt tctttgaaca 120  
 acaatggtgg tgggtggggg gaaaaccaca accccaaacc acttcgccgg ctccaaatga 180  
 tgggataaaa aggt 194

<210> 8658  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8658  
 ggtactcgtg cgcccggctt cgcttttctc cgcacgccgt ctgacaaacc ggtatggctg 60  
 atatcgacat attcgataag gtgaaactga agaaaaacag agacgcaaga aaaaaataca 120  
 ctggcttcca aaaaaacgaa tgaacaggag aaacaagcaa gc 162

<210> 8659  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8659  
 gagtgcaaac tttttgcttc tattcatcta caatgtatct ttccatgtaa atcccatatc 60  
 ttgatgctgg ggtcctgtga gcagcacaca gccagtatcg gatagggctg aaaccaaggc 120  
 gttgatgatg tgcacaccat gtatcgtgtg aagggtgagag actttggtga aatccgatat 180  
 catggtatga tcatccgtgc ctccacacac acagatggat ccatctggat atacaaccac 240  
 cg 242

<210> 8660  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8660  
 tcatataaaa cagcaaaata aaatagtcgt gggcacaggc cagtgattct gcagttagag 60  
 ccgtgtggac tcgggtcccc atctccggtg agggcgtctc ctgcacacgg caccatgct 120  
 tcaggtcgca cacacgtgcc gtggaccaa gtacaccttt ggaggtgtca atcccccaa 180  
 gaagatgttg ctaacttgga gtttggggcc taggctttca tcagagtctt cccacagaa 240  
 agcgaaatgg gaatgggtcc ttaataagct acgggccttt gttcacagca 290

<210> 8661  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8661  
 ttagaaaggc ttgtttaggg tttaaaagac tggttgttcc tgattgttta ttggtcccat 60  
 ggtgttttct gtgttaacct gggaaaggca gccttaatta cctaaaaaaa gaaaaaaaaa 120  
 aaaaagaaaa attatgtgtg agattttttt ttaaagtggg ga 162

<210> 8662  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8662  
 gactctgggg tgatgaatgg ggagaggaga gaaagtgaat cactatatca ttctatacat 60  
 aagaatcagt ccagggtgat taacaatttt aatatgatag agaaaatata tatacttttag 120  
 aagatatagg aaaagtatgt gtagtcctct aggggtggga ag 162

<210> 8663



<211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8663  
 ggtttttaaat ttggaaatct aaaattttttt tccaacaatc ttttgggagg gtggacctgg 60  
 gttttttctt ttaggttttg gtccctctgt ttttttatat tttttctttt tggaatttta 120  
 tttttatattg tttttggttc attttttatg gttatatagg ggggggggtg agagaaataa 180  
 cggagaacgt ggggtgagcaa gccggtgtta aaagatggga aaagagtgtg gggcaccaaa 240  
 aaccttgttc cctcaagt 258

<210> 8664  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(482)  
 <223> n = A, C, T or G

<400> 8664  
 taaaattata ctggtggcgg tttctgtcta tgtgggggat gttctcctt attaccagtt 60  
 acatcctctt cagagctacc cgaaaacccc tctcaggaag gacaccacga gtggtctaca 120  
 aatggtttct tttgatctac aaactcagct atgcatttgg tgttgtgggt tacttggcga 180  
 tcatgtttac aatgtgtgga ttcaatctgt ttttcaaat caaagctaga gattccatgg 240  
 attttggcat tgtgtctttg ttctacggcc tctactatgg agtaatgggg agagacttta 300  
 ccgagatctg ctacagactac atggccttca ctatagggtt ctacagtgtc aggcggttgg 360  
 ctacaaggag cttatcggac aatatctggg ccagttgggg gcagaagatc attggggagc 420  
 gtgatgaaga aagggtcatg aaaacatcta tcagcgtttc tggatatctg tcttcattga 480  
 tt 482

<210> 8665  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8665  
 tgaaaaggat agtgggggtg ggggaaggac aaaggaaagg aatatatggt gaggttaaaa 60  
 tgaagaaaaa gagtaaggca aagaaagtat tgagatttat attttgatgg ggatgggttg 120  
 gagggttgag gtgggaatta atttggaaag aaaaatagat gt 162

<210> 8666

<211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8666  
 ataataaaaa caatgaaaat aacagtatgt aaataatggg atgtaaaaat ctaacaatca 60  
 cgtgaaattg aagaatttgg catgtaaaaat gaataatact gtcttcccc aagaagttta 120  
 gcaccaaact ggctctgggt ctgagataag gaattccagg ccaggcttac atcgcaactc 180  
 agtcctcaaa agccctctcg tgcagaatga gaaggcacia gcatatatac ccattttgtt 240  
 ttcaccttcc atctctctca atcaaactct acttctcatt ttaggaagta tatagtccaa 300  
 aatgggcttt taattactct ttgatccttc caccaccacc tgcccttttc tttcctagca 360  
 aggaaatgac aatgagtgtg gcctatagac aagggttaatt acagatacac cagtgggctg 420  
 tgtcgcccag gataaggggg gagagctcaa agctggtcag tgtgtgtgct cctctctcca 480  
 cttagctgtc attccaccct gtgcttttct acttcctct tacaaggggc aacaggggcg 540  
 ggggagcccc acggcacgtc caaggcatag gttaatga 578

<210> 8667  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

<400> 8667  
 gccagctct gggaactgaa ttangaaact caaatcgaat agggaagcaa aaaaaacaaa 60  
 acaaaaaaaaa caaaaaaaaa caaaaaaaaa aaaccctatt taaatggaa agggagctta 120  
 aaaaaaattt ttttaaggga ggaagaaag ggagaaaatt tt 162

<210> 8668  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8668  
 actttgtgat atctcatagg gcatactggg ctttcacat ttcgccccca ctttttgccc 60  
 atatttccca agctcccccc ctacagcacc ttccatgtgc tcgtgccttc atccagcacc 120  
 tgctcccaa tgtattccgt ggtagcaggt gatgtaacac ac 162

<210> 8669  
 <211> 210  
 <212> DNA

<213> Homo sapiens

<400> 8669

```
gtatagagag ggagaggttt ttttgtttta tagtagagag ggggtttcaa aggtgttaag    60
gaggatgggt tagatataat gaaatagtga tttggaatag taggaataca taagtgatgg    120
gaattaaggg gatgaggtgg agaagtatga gaaggattat tatttttaat agaaaaaaga    180
aaaggaagag aaaagaggtg aggtgtgagg                                210
```

<210> 8670

<211> 562

<212> DNA

<213> Homo sapiens

<400> 8670

```
gagcggcgc cttttttttt tttttttttt tttttttttt ttttttggcg tttcacotta    60
tttatttatg tatttattga gacggagttt cccctcttgt cgcccaggct ggagtgcagt    120
ggcacaatct cggctcactg ccacctccgc ctgacaggtt caagcgattc tcctccctca    180
gcctccaag gagctgggat tacagctgca agatacaaac cctgtcctca cttacgtaca    240
attcatctct gacatgaagc agtctcccg ggctccgct ctgttcgctc tgggattaaa    300
ttcgcgtagg cactggggag gcgggagctg ccttcgcaga tatttagcat atgaggatcg    360
aaggccagtg ggaaccgtga ggagacgcac aaccgtgggt tgggccagg ggctggggg    420
gattgcgagg gggggtcagc tgccaagaag gccaaaaata gccggacggg tgggggggga    480
ggcgggcaag gagaagaagc tgggcaatgg cggtcggtag ttctgggtgc ttcctccggt    540
cccttcaacc ccacctccac cg                                562
```

<210> 8671

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8671

```
cggccgccct tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt    60
tttttttttt tttttttttt tttttttttt ttttttaaaa aaaaaaggct ttaatttttt    120
ataatggatt caagccaaca aaggtgttca aaaaaaatc aaaaaggaaa aaaggtcaaa    180
atttaaaaat aggggggaaa ttttcagttt gaaagggtaa aaggat                                226
```

<210> 8672

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8672

```
cctttttttg tttttttttt taaggatatg tttttattgc taccagaggg ttttatcttc    60
```

agtatatacatg cgttgactgg caatacctgt gttcagactg cagaggggagc tcaggatgca 120  
 gaagtcacatgt taagaaacat aaggctgggg agggggggggg agtaagttct attagaaaaat 180  
 gccaatagct taacaaacct gaggtatta cattcagtta taccat 226

<210> 8673  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8673  
 agctttttttt tttttttttt tttttttttg gatattttttt taaagtttta ttaagaaaaa 60  
 aaaaaaaatt aaatggggta ttcattggtt tggaaaaaga gaaaaaaaag ggaaggggaa 120  
 caatcccata aggggaacatt attccttggg ttaaataata ttaattatgg aaatgaaaac 180  
 taataacata acaagggaaa ttaaaaaaaa taaattaaga aaaaggaaaa gagaagggga 240  
 aaaggattct gaatatggga gaaatgtgtg ttatggaaaa agattcgggg ttcagggtta 300  
 tttcctggag aatttctggc tttgaagcgg ttaagtca 338

<210> 8674  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8674  
 gaaggaacag atggactcat aactccacg atgtaagctg gactagtcca acttccaacg 60  
 tccgtataac gccatatgta tcttattgct gtatatagtg gcaaatagaa tagacaacaa 120  
 gtgagaggta cgactaatag gggagaaaag gaacacatat gtgatagggtg atgagctctg 180  
 acatctgatg aaatagggtga cgaacttcta ccatgaacaa aatgtgttgc cccacttcag 240  
 ataggttcat catcttag 258

<210> 8675  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8675  
 tgattgtgga gttattcaat atataaaaag ggatattcga gatgacttga atgagctgtc 60  
 ttattattcg tgtactgaga tgaatgttca acgcataagt agtatatgag ttcatacaag 120  
 tgatggctga agtgctgtca gcagctaata tggagagcga aaaggagtca gatggtgttt 180  
 cgaggtcgaa gagcatccga gttaatgggtg gtcctgcgcg ccagattcga attggaaata 240  
 tc 242

<210> 8676  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8676  
 gggctcctgac gcccaggatg ggagtttctg tgaaggcact ttcagataaa cattaatatt 60  
 ttaatttgat tcaaaaagga aaatggaggg gctataaacc tgattttttt aattaattta 120  
 ttttaaaaag tcaccaggga taataagttc ggacagttac ggaaatattt ttaccatata 180  
 aaataaaaag ataattcaaa aaattttctta tgggaattga cgtccagaat ttaggtccat 240  
 gttcactagc taaccactt agtaggggtg ggcgagcaca aactctacct tcccatttct 300  
 aggcctgttc ctccctcctt aaggggggaa taaatattaa cagggtggtg gtgaggttta 360  
 attgagataa agatttatct actaaaataa ctcatgata ctttatgggt atagtcaa 418

<210> 8677  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8677  
 gtacgggcca ggctcctaatt ctttgggatt cattggcaaa taatttaagt gtggtgtatt 60  
 attaaataga caaaaggtaa gttgcaaggt tgaaggatca cttgataagt gagactggtg 120  
 atgaacattg atgcgcttaa aagtgaagat gcttacagaa taaatgaaga gcagctgtcc 180  
 ttctttcttc cttctagatg ttcattgctgt ggcattgctca gaggttcctg catggatagg 240  
 agatgggagc ggagtgat 258

<210> 8678  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8678  
 gggtcggggg ggaggaggta atcccttcat atttcaatgt tttctttttg cttatttttt 60  
 gtattctggg gtatggcgta agtacagata atgcttcac tcgaatgggc gtttttatat 120  
 aatttttttt tttctcttat catcatgatt catttaacaa aatgtttcaa gcttactcag 180  
 gtatgctata gtgtactaca gatgaatgtt gggttaaata tagagg 226

<210> 8679  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8679  
 agcttttttt tttttttttt tttttttttt ctttttaagt tttcttttta aaacacacaa 60

aattcaattt ttttttctt ttttttgcaa cagaaaaaa gaattgaaat tggacctccc 120  
 ccttagggaa actttttctt ttggttaact tattttaatt attgaaaata acacttatat 180  
 aaataacagg gaca 194

<210> 8680  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8680  
 cttcgttttg ctttctcttc ctttcttcgt acaacacccat gtatatgcag gtgaaagaga 60  
 tgaccaagac tagtaggctg aattagaaat ttatgctgac tctatctaata aataattatg 120  
 ttggtttatg tttatctcta ttaaataagtg cttttgggga at 162

<210> 8681  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8681  
 gtgtacgcag gagtcctgc gttgttcagc tcctgtgctt gctgtatttt tgcactttct 60  
 cacagacctata tatcatcaaa cgctcataac tactgtgcta ttgagtggta actttgctga 120  
 tagggctgct caattcatgt atgatggaga taatgctcac gg 162

<210> 8682  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8682  
 aaatatgaat gttaatatat aaagataaag tattgggaaa aagaattata attaaatgtc 60  
 acatataaaa tggattgatg ggaagaaatg agaaacaggg taaagtataa aatggaagtg 120  
 gatcaagaat aaaaaaaaga gaattatgaa caaaaaagga aagaaatata tagtcgggat 180  
 tacaagaaag aaatgaagtc aaataaaaaa 210

<210> 8683  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8683  
 gattatggaa attgaagtta tttaggggtt tttaaattaa gggaagtgga ggtatttttt 60  
 ttagggaaaa agaattataa ttaaaaaaat agttgggttt tgtgtattta aaaagaatta 120  
 aaaaggaatg gttataatta atattttatg gttagaaaag gtttagtggtt gggtttttat 180  
 aaataaagtg tgga 194

<210> 8684  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8684  
 ataagaggat aaaaaacttc gaaagtaaag acacagaaat gacgaagctg aaggctgaga 60  
 gtctcccttc tcacttactc catgctttat ttagcattcc ctaaacggtg aggaggcagc 120  
 ggctgttatg gtgtgggaca aaaccagcca ccgggagatg at 162

<210> 8685  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8685  
 gtctctgtta gaggatgtga ctgtgtggat ggactatata tagagaagat ggggtgtctag 60  
 agcttagtgc taagagccta tgcgcgcaag agatatctca aattcatagt tagatgaaat 120  
 gcgaggaatg tgctgctatg attgacaaga ggagtagaaa tgatgtactc atcctcttct 180  
 acacgacata atgcaaaata ggatgacata gattgtggga atggat 226

<210> 8686  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8686  
 tattattatc gactcagagt ctaagaggct gactcaaag caataagctg tgtcaacggt 60  
 gtccgaggag ggtaatagtt gatcagagga cattgaaaat gaatcttgct gcttcatggt 120  
 atattaatat ctgaatagtc agacaactgt aatattatgg aataaacaca tcgtcaaata 180  
 tatcattaat atcataagga taggtacaca tggaacgtta tgtacctcg acgatactga 240  
 ctgttatcac tattgtatcc ggagacgtgt gcgcgtcgac catatctgag agcgcgagc 300  
 gtgtaggatg catatgtaga ctatgctata ttgtcgtcta catagttgga catattcatg 360  
 gtcatagctg tcttctgtgt gatattgtta tctgttcact atatcactcg acatacagagt 420  
 cgtaatcata gagtgtgtgt tgtgaggtgt ctactgagt agctaactca catatatggc 480  
 gtggcgctct ctgctggctt gcctgtcgtg actcctgac tgagccagct gcattaatga 540  
 gtcgtc 546

<210> 8687  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 8687

```

tggccagatt acgaagcgca atgttgagat tgagaatttg tctatagaga gtacatattc    60
gttcagcacc atgatcactc tcatcaacga tgttttattga gaggatgggt gtccacctta    120
tacaggetca tggacctata ataacgcttt ccaattctac acatacgtgt agacgaggta    180
gtctatatac tcagaacatc tagcctgctc tgtatctaca gtgcatgagt aagtatatgt    240
atatgtatga catagaattc catatcgaag aggtcgtgca agtacactgg tgctgatgct    300
gtggtgctcg aggaatatcg gctgctaata cacgtatatc tattgaattg tatcagatga    360
tatgtcacat cagtttgat catcactgct gtaggaatgt tagatagaat attatatgtc    420
atctctctat gactaggctt gtactcctgg tgcattagat actgctgtgt gtggtagctg    480
tccgtgcgga cgctcgacat cactagagaa tgcacggata gagtgttaagt cgagcagatg    540
gtagagatct gagcgagtg ag                                         562

```

&lt;210&gt; 8688

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8688

```

tggggagcta tggagtctgg tatggtcttt gagattccct gcttgagctg ggaagggggt    60
gggttctcgc taggtttaat tgtactgcaa cgtatcagag caggcgccac tagtcttaga    120
gagccagagc gtcattctgt gtagccactc ggctcagacg tggttgtgtg gaagcgactg    180
tggatgacac acaaagtgtg cagtgttgtg ttccctatgta actttattta tggatcttga    240
attttgaata tatactgtac ctgaccgggc ggccggtcga catgactact gaattcgctg    300
gggagtgtag gtcgactata tgtgagagtt agaaacgcgt tggatgaata atcgagtgtg    360
tgatagtgat ggctatatac cgtggagtac tcatggtagt ag                                         402

```

&lt;210&gt; 8689

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8689

```

aagctttttt tttttttttt tttttttttt tttttaagtt tttaaacttt ttatttgcatt    60
attaaaaaaaa tagggcattg caataattaa aatcgtttga aaaaaaaaaa aaatgggact    120
ctgattaaac tgcattacag cctggaggac accttgggcc agctgggcgt taaccaagat    180
ttcacgggcc gcccc                                         194

```

&lt;210&gt; 8690

&lt;211&gt; 194



<212> DNA  
 <213> Homo sapiens

<400> 8690  
 ggctgcgagg cgtgatagac gattaaggta tgattgaata attatactga tatagtgtgt 60  
 aagatctctt agagagagct gtgtaattat tcatctatat atttttacta actaacgtga 120  
 aagaaaggat gctggatgag cttgttctga gagtatctac ttgaggctgg gatgatactc 180  
 caagggttga tgag 194

<210> 8691  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8691  
 gcgggccgag gatatcatga ctagatttat atgtaattt tattattagg gaaagttaag 60  
 aaggaacaga agactagaaa agaagtaaaa actttgatga agagaggggt gtaagaacag 120  
 gatcaagaca cattaatgcc taataccaac aacgagcagt gg 162

<210> 8692  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8692  
 aaagaagata caagctgacc tgaataaaat ttgtgcagga ggcgaagaaa ataagggtat 60  
 aattatcttg agaccatggg aacacgcaaa cattatgcag aaatctatgt tgtggataaa 120  
 agtataaatg attatgatgt taaaaaaatg gggattgaac ataaaggaca agtgtgtgtg 180  
 atgaaccaca gaggaagtaa aagcttaagc catgaaatta ctaaaa 226

<210> 8693  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8693  
 ccgcggggcca ggctactaag gtgcaagtat atgtaaattg ttttgatacc tttanagtga 60  
 agggagcctt ttgagaaaag ttggtggagt gcacgtatc ataaagcggg taggtagtac 120  
 atgtaggcag taaatattat ttaaaaatgt ggatagtata ctgtgaagtt ggttgggtcta 180  
 gaaataccag ttcc 194

<210> 8694  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8694  
 cacctgccga ttgcctatgc ccatgtgcct gcccttccgg gggaacaagg ggtcgggtggg 60  
 ggatgacggc gatggaacgg acgcacagaa cgctagccga tgatcataac atcgttgatg 120  
 agaaaaatga tatgcatgac aggagtagag gttggcgatt gtattaggat cattgagatc 180  
 aaaccacatc acccatgtgc cacactgccg cgactcataa aggggtgttg tatgtggatg 240  
 gt 242

<210> 8695  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8695  
 ccatgtctatt tgattttcct catttcaact gttttgtatg aaaatcttaa tacctatgta 60  
 tatggtccta actataggcc gcacatttct tttataattc ctggttgaga gagaggggag 120  
 ggaaatttat gtgaatacct ggtgaccttc cttgactttc caggtttcct gatgtcattc 180  
 attgattatg ttctccttca ttatttttat actaacttaa aaattgagta tttggagaag 240  
 gttttatagt atttattgat gaatatatgt agcatatcaa aatttttggg tttaaaaact 300  
 gagtaatatt aaagactata agcaaacaaa atttatagaa ccggtcatta agtaattgct 360  
 taaaacatgg agcccattac tctaaccttt ataaaaatta ac 402

<210> 8696  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8696  
 gagtacaagc tttttttttt tttttttttt ttttgtatgt ttttttaaag tattattatg 60  
 aaaacacaca aaatcaaaga gttatccatg gatttgcaac agcagagaaa cagtgacaag 120  
 agagaccatc acccataagg gggaacactt atccctttgg cgttaactta atataaaata 180  
 attgggaaat gatcacccta aatatcaata gacacgggca cataaaaaaa aagattaaaa 240  
 ttaaagaaaa agggaccagg aaactggcgg gaga 274

<210> 8697  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 8697

```

ggtttttttt tttttttttt ttttttggtt ttgaaccttt aataaaagta aaaaatgaat      60
gcaaaaagaa cacaatgttg aaaacttagt atgaatgtga acctcactag atgttcaaat      120
ctggtatagt gcaaattttg ttcatactat tttacatttt tacaaaactca aatcactttg      180
gttcatatat tttctataaa ctattggcaa aaaaatcctc aaattttacat tcttttggtt      240
acattatttc taacagatat agatttactt ccggtttcgg agagaaagac ttattgtgtg      300
tgcgtgatca agtctgtttt aaagattcac tcgctgcttt catctaataa cttctggggt      360
ttcataaaat gctgacatct tcattggaaa tttttttcat gtaactgggt tcattttcag      420
aaaatatata aggggggtcat tccaaagttc agaatgatcc ttttttttta aaaaacaaaa      480
ttcctgtaaa acaaattaac tccaggaact taaaatttac tccaagacat ttccctcaa      540
acaaagcaaa aaaccccagc aaagatcggg acatcacaaa aacaaacaca aagaccagcg      600
ctcacaggca agttcctctt agcttcctt ctgctgactg ggggcttcca tttaaaaaga      660
ggcttttaat caagccactt tcacagaatt taaaacaaaa caaacacatg ttaattgcaa      720
aaaacaaaaa aggaaaatta ttagaaaaaa agaacaaaac ccaaaaaacg      770

```

&lt;210&gt; 8698

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8698

```

tagcctcagc ggggaccctc agcacatgaa tacttctca ttctggccc cctcccttgg      60
cccttctgcc tctcttcaact gccatacaat tgtgtgaagg atgtaggga gtggaaggaa      120
ttaaataaag aaggaaccag cggatgaagg cccccgccc cccacagact aggtcggc      178

```

&lt;210&gt; 8699

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8699

```

aacactatgc attacatata cacaaacaca caccacagtc ataaagccct aatgatgtgc      60
tgattacagg tcaatattca ggtgagcatt ctttattaat ttatcaaag aaaagctttt      120
tgctacctct gccattcatg aaagacagct atggaaaaaa ggaacctggg accaatat      178

```

&lt;210&gt; 8700

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8700

```

tggtcggact gcagtacagc ggataaaaca gggaaacgta aaaagtaatc agatgactgt      60

```

tatcgagatg gagagcatac cagtaaaggt agcactgact gcaatatttg taatataaat 120  
 ctaaagttta tatgttaatg aatatcaata tatatatggg gtatatataa ttacactaat 180  
 cagtgcaga agcacttata atagcgactt ctgagtaatg aagaagagaa atgatgaata 240  
 tatgtattat ctatagggcc tatatacggg gactgcctca ctatgatcct atgggttggtg 300  
 agtaattatg caaggctgtg tgaatgcaca gctgtatctg aaggggcaac tacgcagtgc 360  
 tgcctaagca 370

<210> 8701  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 8701  
 gcccgaggga tgagcatgag cataaaggaa gtgtggtagg acagatcaaa ggggaagtaca 60  
 tggaatgtac gaggtttttc aattaggaat caaaaaagaa acgaggagac ttcgaaaagc 120  
 tgactaatta ttaggggaact gacttggatg ctgtaagcaa agctatacat gatctgatac 180  
 aagagatggg cggactggcg ttagcatgt 209

<210> 8702  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8702  
 tgattacaaa gctgtatgtc atgggccaac tatgcaataa acctaaacta gagctatggg 60  
 ctgtgagtgg atttcacttg atgataccat gaagactgat ttatgatgtg atactatcca 120  
 ttcttctgtc ggtatgaagt tatgcatgac aaaatgatgg agtgcttaaa tgggatgtca 180  
 tatggacaaa gaccgtgtga agtgaccctg atgatagcat atcatttcag gataactaat 240  
 gactggcagg ttgcaaggat tgttgacgac tgggactgga catgcgcgga taggtgattg 300  
 ctcacggaca tgctcgagaa aa 322

<210> 8703  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8703  
 atcttgggtga gaatctcagc aaaccaccaa gtgatcctga ggctaaccct gaagtttcag 60  
 agagaaagct gccaaactgag gaagagcctg cacctgtggg ggaacaatca gggaaaagga 120  
 agtcaaaaac caaaactatt gtggagccac cgaggaaaag gcagacaaag accaaaaata 180  
 tagtggagcc accaaggaaa aggcagacaa agaccaaaaa tatagtggag ccactgagga 240

agaggaaggc gaaaacccaaa aatgtatctg tgacacctgg acataagaag cgtgggcctt 300  
 caaagaagaa acccggtgca gcaaaagttg aaaaacgcaa gactaggact cctaaatgca 360  
 aagtccctgg atgtttcttg caagaccttg aaaagtcaaa gaaatactct ggaaaaaatt 420  
 taaagcgaaa taaggatgaa ttggttcaga gaatctacga cctgtttaac agatccgtct 480  
 gtgataaaaa gctgccagag aaactacgca taggctggaa taacaagatg gtgaaaactg 540  
 gtggcttatg cagcactggg gaggagaggg gggcccg 578

<210> 8704  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8704  
 aactggtgct gaagataatg acatcagcaa ccgagactaa ggcaatacgt cattgacacc 60  
 aatacaatga gcctgtgtgt gatgggtctg ttctgtctag tgctcgattt tggattttga 120  
 tctctatcag tatcattggg cttggactct gacactgccca gcggctgctg ttacactgat 180  
 agggagagga atcggactgg ggaggtagag gacaatgaca acgagaacat cagctcctgc 240  
 tcacaggcgg ctgtggttaag caaagaaggc cagcgtgtac gactgtacc ctgcgagcag 300  
 ggagtcctgc aggggcggcc tgggcggtct actcatgaat ctgaggtcga ttgt 354

<210> 8705  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8705  
 tggatttggc aataaaattt tgatctctaa gaagattaaa agaagtaggg aagcgtgatg 60  
 ttagaagcga tggcgatttt ctggtaagcg gtctatggtc tgttttatta taaactagga 120  
 aaagaacata acagctcaca ggacccaact tattgatgaa atgaactgga gtgctgacag 180  
 atactagga tagaaataga tgaagaaggg acggaaacaa ttacta 226

<210> 8706  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8706  
 agcatacacg gcagatatgc accatgcaat gcccagtgga agcactgcct gaggacaaag 60  
 agggcttgaa tgtcaggagt gtgtgatgga aggatggacg gcgcggctgc gaagatgctg 120  
 acagatggac agaccacca gaggaatgag gaggctgcaa tggtaagag agtatccgga 180  
 acgatccagg gcgaagaaac gccggctatg catctgcatt ggagtggcac aggggtcaca 240

```

ttgcatgcga gagacggtga gcgtggggag aaataagatc gccgtactgg aaagatgctg      300
gaagagggcc ggaaaccatg gaagtctggt gaggctgcaa tggtagatgt ggatcatggc      360
tagtccatgt gagctgagta gttaatcaga ctaggcacat cggggtcgca actgctgtgc      420
gtgatatgac acagacagtt gctgtgggcg tactgaatga tgaggacaaa gaagcggatg      480
gccctgataa agaaagga                                          498

```

```

<210> 8707
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<400> 8707
tgtacacggg ggtgtcttgc gcatgtccat cgggaggtag ggggactggg tggtagcgcg      60
agttatacac gatgaaggcg aactggacac gttaatgtgc ttggacccca tgccgatcgc      120
gacatacggg ctagctggag gagggaaaacg gcgatgatgg ggcaggatga aggggcaaaa      180
ataggggctt ggtgagcaga aaataactgc tggccttatt ttatgt                      226

```

```

<210> 8708
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<400> 8708
tttttttttt tttttttttt tttttttttt gggtttgaac ctttaataaa agtaaaaaat      60
gaatggaaaa agaacacaat ggtgaaaact tagtatgaat gtgaacctca ctagatgttc      120
aaatctggta gagtgc aaat tttggtcata ctattttaca tttttacaaa ctcaaatcac      180
tttgggtcat atattttcta taaactattg gcaaaaaaat cctcaaattt acattctttt      240
ggctacatta tttctaacag atatagattt acttccggtt tcggagagaa agacttattg      300
tgtgtgcgtg atcaagtctg gtttaaagat tcaactcgtg ctttcactta ataacttctg      360
gtttttcata aaatgctgac atgttcaatg gaaatttttg tcaaggaact ggtttcattt      420
tcagaaaata tataaagggg gcaatccaaa gttcagaaag atgctattgt tttaaaaaac      480
aaaaatcctg taaaaaca                                          498

```

```

<210> 8709
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(162)
<223> n = A, C, T or G

```

<400> 8709  
 cgagagatga cgttccaaga catctgagca ncccgcgggg ctatacaacc atgtaaccaa 60  
 agcctcaccc cttcccgag ttggaaaaaa atttatggaa caagaaaagt tatcatttga 120  
 aatttaaaag ggtgggcaga acattggtcc caaggaaata tt 162

<210> 8710  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (194)  
 <223> n = A, C, T or G

<400> 8710  
 tgaagactag ataggagtgg naagactgga cgtatgctct gaaggagcat aggagacata 60  
 agtaaaagcg ggcagtaaac tgtcgtctga tgattatgag accatgggaa aaagcatgag 120  
 acaggtaaaa catagtaatg ggcattgtac aagccactga cgtatgcctg cactattgta 180  
 cagcaccttt cacc 194

<210> 8711  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8711  
 tctttttgtt ttatttatgt tgtattgtaa gatgtcaaag agtaatacgc aaggcacaaa 60  
 agatcatatt gttagcttgt atgggtgaca gagacagtga atattatcaa ggaaacatca 120  
 catctgaagg acttagcatt gcaacacaca atttataaga ac 162

<210> 8712  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8712  
 gctgggtgtgt tattttatttg tggtacattt agaggaaaga acggtagggg gccatatatg 60  
 acgaagaggg taagaaggca catgtagtaa gaagaataac aagtgcacgc ccacagtggg 120  
 tcagtggcgc aagataacgc gagatcatta actgacatgg taacaatctg gtacatatca 180  
 ctgtgtatac atggagagaa actgacgtga 210

<210> 8713  
 <211> 178

<212> DNA  
 <213> Homo sapiens

<400> 8713  
 cggttggtgct gttattttta tttttgtgta ttttaagaat gcaaatatct gttaaagcga 60  
 gcaatatatg atcaaagaag gcgaacgaat ggtaggggca ggaggtagaa tcaacaagga 120  
 ccactgccac ttggggatca gtggcgcaag gtaacggagc tagattaacc tgatatgg 178

<210> 8714  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8714  
 ggtgggcgtt tatttcttta atgttaggtt taagaggaaa gtagctggga tagaaggcat 60  
 gcataatata gaaggctatg aatgctatgg caagaagaag ggataatacg tgcgcgtgcc 120  
 acatgggtgt taggggtaga agataaccgt gagcagaact gtatggtata gttgggtccat 180  
 agtctgctta ttag 194

<210> 8715  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8715  
 caagcccccg ccgcacccac ctccaccccc ccccaaaagg aaaaacaaca aggaagaacg 60  
 taccacaggca gggccaccac aaaaggggag catcaaccga gcccacgagc gggcaaaggg 120  
 aaacgagcgg ggcgggggga gacggacagg gcgccagaca caccaccagc agagcacagc 180  
 agacggggcg aagccggggc cggggggccg cctggacacg cccccgggc gcaggacccc 240  
 ccgcccattgc ccccgacccc gcccgccacc cacgcggccg gcggaccagc acagaccccc 300  
 aggccacggc ggggaacaaa accagcaca ccccgagga ggcagacca caccaccgcc 360  
 cccaaggagc cccccggca ggcgcgggcc ccgacccgc caaccggcag cccgcgggca 420  
 gcgaggctcc aacaggcccc ccacgcgac acccaccccc tacaccccc accaagcacg 480  
 cagcgaaaaa acacacgcc aaggagggca agcc 514

<210> 8716  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8716  
 ccccttcttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 ttaaaataaa attaaaaacc aatgaaattt attgggttac aggaataaac cgggcacaaa 120



atggtggaaa aaggggttaa aacaagttta cattaaaaat acaacaact acggggggtg 180  
 acaaatttgg aagcgggggg tacttaaaaa aacggcatcg aaaaacaaac cactaaaaat 240  
 tcgcgaaatc aaaaaataa cttctttctt ctttaaaaaa ggagggggaa gaagtcgttg 300  
 ggttat 306

<210> 8717  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8717  
 aggtaacaag gctctttttt ttttctttt ttttttttt tttttaccg tttaaaaata 60  
 acatttttta ttatttcccc aggcccgatc cacagccctg aaacaaaagc attctgatac 120  
 acatttgtca gtgctggggg gtttggttgc catgactgcc tacacaggcg cgatgaacag 180  
 ccaccccggtg ttgg 194

<210> 8718  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8718  
 tgggcaaact gactggtgat ggcaagagt gtgtctatga agacggacta cacagcatgg 60  
 cacatacaat aaacactgcg agactctatg cgattacctg gctactacac acatttatac 120  
 ccaacataac ttcataaatt gatgccacca tgtgcaataa actgcgccgt ctggtgctca 180  
 gaggaacacc aggcgctgca acctgcagct ctatcaggac gccagactc cgccattagg 240  
 gg 242

<210> 8719  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8719  
 tgctatcaca aatattctac ttgtaactat tcaactgcat cgctgacata acatggttga 60  
 acgattggga taatggcact aagcactagg thtagatatg attatgacta taatacatgg 120  
 gtaaagggtgc tgataataaa acaaactcta ccatactaga tacactgagt caatgtatat 180  
 ataatgtggg atacgataat gaactcacia ctaatatggc agggacacat atatgaaaca 240  
 caatatatcc tgtatttgcg atataagcat cattataaga tcataagtag attgtgcgaa 300  
 gaatcctatg tatgccggac tgttttatcc tgaccaacc catatgactt gtcccagtgg 360  
 atccgggaga agagatatga atgacatgta gccggactga gcctacacag ttacaccccc 420

gatatgaagg gaacgaaaat acatcttatt gcataagctc cagcag 466

<210> 8720

<211> 450

<212> DNA

<213> Homo sapiens

<400> 8720

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt tttttattta aaagttttat tataaaaaca caggaataa aggggggaat 120

ccaggttttg ggaacagaaa aaaaaaaggg aaaggggacc ctcccatag gggacactta 180

tccttggggg aaactaaaaa aaaaaaggga aaaaacacca aaaacaaaaa aaaagaccaa 240

aaaaaaaaata aatttaaaaa aaaaaacagg aacgggggga gggagaccgg ggtagggggg 300

aaaagggggc aagggaaaaa catcaaggct aggggggcct cccctgaaa attgcgggct 360

tggggaagtc aaggtcgggt gcagggacaa acccgtgcc ggccgcggg ggggagggga 420

ggggaagggg gggggggggc ggggtgaggg 450

<210> 8721

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8721

tgcaaatgaa tgaaaatggt ttaaaataga cacaagacat gggccaacat acgttctact 60

gacgatgcag aggaactggg accctaccca gctggactgg gaatgggagg ggtgccgcca 120

tgctggaag tggcgcggga gtggcttagg atgccaagta catccttacc atgacataca 180

ccaacgccac tgatgagatg tgcacgaagg 210

<210> 8722

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8722

acaagctttt tttttttttt tttttttttt tttgctcaca ttttaattttt attttgattt 60

tttttaatgg tgcacaacac aatattttatt tcatttggtt cttttatttc attttatttg 120

tttggtgctg gtgggtttatt tattttttact gaaagtgaga ggggaactttt gggggctttt 180

ttcctttttc tgtaggccgg cttaagcttt cttaaatttg aacatctaag caagctgaag 240

gggaaagggg gggttcgcaa aacactcggg ggaagggaaa gggggctttg ttaatcatgc 300

cctatggggg gtgagtaact gggtgggccc tgccgggggc gcgggggggg gcgg 354

<210> 8723

<211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8723  
 gttggcccg taggttacta gtctagtgtc ttcagtatgt aactactgtg acctcatgct 60  
 ggtcaagggg ctaagtttaa ctagcaacta tgtattccag taaaatcaga tgtaaagtat 120  
 actacttttg tactaggtac ctaagtaggt cacttttact tg 162

<210> 8724  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8724  
 gctgcagtga catgagacag aacagcgcgg agggcgccac aaaagcagcg gacaagaaag 60  
 ccgcaggagc aggcaaggcc accaagccag ccagaaagc ccagaaggcc aaacgaacac 120  
 caccctaaac accagccacc ccacacacaa acagcggagg aagaacgggtc tcagaaccgc 180  
 aagcatcaac cggccatata agaagagcag caaaagacag gacaacgaca acaacgcac 240  
 gcaaaacccc cagaaggaaa ggagaacgcc gcgaggacca ccccggaac cccactcgcg 300  
 tgccgcagca taaagccaca agtaacaaaa accagtacgc tgccgggact gcaa 354

<210> 8725  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8725  
 ctggtctttg tgtatggttt tgtgatgtaa cgatctttgc tggggttttt tgctttgttg 60  
 tgaggggaaat gtcttgaggat aaatgttaag ttcttgaggat taatgtgttt tacaggaatt 120  
 ttgtttttta aaaaaatagg atcattctga actttggaat gacccctta tatatgatct 180  
 gaaaatgaaa acagttacat gaaaaaata tccaatgaag atgtcagcat tttatgaaaa 240  
 accaaaagtt attagatgaa agcagcaggt gaatctttaa aacagacttg atcacgcaca 300  
 cacaataagt ctttctctcc gaaaccggaa gtgaatctat atctggtaga aataatgtag 360  
 ccaaaagaat gtataattga ggattttttt gccaatagtt tatagaaaat atatgaacca 420  
 aagtgatatg agtttgtaaa aatgtaaaat agtatgaaca aaatttgac tctaccacat 480  
 ttgaacatct agtgaggggc acattcatat taagggtgtga acaatgtgtg tctttttgca 540  
 ctcatttttt acgtttttatt aaaagagcaa aaaacaaa 578

<210> 8726  
 <211> 498  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(498)

<223> n = A, C, T or G

<400> 8726

```

ctgatattgt gtagacgaaa agatgatctg caagatgata aagatctgga atatggccat      60
aaactgtaga anggtggtga agctgtcatt gctgatgatg ctgccgtcga gcacatgggt      120
gctgacgagc ccatatacta tgcaaccttg tgacactatg cagcttcgga tatgatacat      180
acacgtgatg tgagagacac aaaagcagtg gacgagatag cagcaggagg acggcaaggc      240
tgccggatct ggccaggaca ccaagaatgc tcaaagaaca ttatacgcta tacgaatcac      300
atcactaata accaccggcg gaataacagt cacaggagtg agaactgcaa tagaacagtt      360
aggttcaata ggccaatata ggttaatgat aacaaagcgt cgtatgacca caatacagaa      420
aagaaaatgc ataatgaaac gataatgttt tgtggaccac gtgtggtagc tttaatgcat      480
gaggcagtaa tatcagat                                     498

```

<210> 8727

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8727

```

aatgctcaac gcattacatt acatgaactc acccatgtga tggtagtaac tgttcttcat      60
cactaaaaca tggaagcgaa aaatgagtca gatgctgttt cgaggctcga acaccatccc      120
agcaatggta gccctgcctg caatcttcga ctttaatacc ca                          162

```

<210> 8728

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8728

```

gtagagtagg acagagacaa gaaaaatata atgcacacac acattggatg gttgtacttg      60
caaactagct aataacacta gggaagaaca aaggatccaa aagcaggtag agagcataaa      120
agaacacatg aatgggaagt cctgcaagag ctacatgaat atacgagatg actctataaa      180
agctgactaa tcattatgta tatgactgga atgatcaaca cacagaacta catgaaactc      240
atccattgta ggctgatac                                     258

```

<210> 8729

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8729

```
atggatgtta attgaataat gatggtaaaa ggtagatta ttggttgat tttgattgat      60
gttataatga ggaggtttgt ggataggagt gaataaagtg attggatgag tgggcgaaat    120
attatgagtt gatgatggga tatatggagg atggggataa gtggagagga gaagatggga    180
aagtggaggg aaaa                                                         194
```

<210> 8730

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8730

```
gtgcaccgag acgcgcggag gcagaggctc gggcgctgc aagacacaac tacaccggt      60
gcaccaccga catgagccga agaaggcatc gtgactggac gtgtaaggga ggtaaacact    120
gcgtccacaa gaggatgtga aaactgcact aaaacacaga tggcacgacc acgtgaaata    180
agatatgatg acggacactt atacaagcga caatggcaac tccgtgtact agcatcgaag    240
tgaggaagag acgtatgtat gaacaagaca gtgctggtag gacggactga gactgaacag    300
acatatcat actatctcca agggcgatga cgacaagaaa cagggagaat gagatatgac    360
ttagttaact ggacagaagg gggaaaacaa gtatatggtc gg                        402
```

<210> 8731

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(498)

<223> n = A, C, G or T

<400> 8731

```
tactactaat acaaagtgac aaggggtgtc gtgtgctatg ctactacaa caaaccttc      60
acctaataaa caaatggaag aaaaagagaa acagctgcaa atagttaaaa gcactatagt    120
aacacataac aaaatgtgag agatgagaga atagaaagag tagaaaatat aactacttgc    180
tgtgaaccta tggtagttac gctctgtcag tctgtagcat acataccata ccatataaac    240
acagcacaag agtaagacaa caacacatgg tgaagctaga ctatgtgcag gatacatgat    300
gcgtgataac atctgcaaca tgagacaaac gtagaagaga actgaggcaa taaataaaag    360
tgatacctat agacggatac agtgatataa cgttgggaca ctgggtggaa gcgcgggata    420
ggagcggtat gtgcatcact gctgagcaca ctaatatgaa ttagtagtaaat ggaccacgtc  480
```

cagggtagat gactgnag

498

&lt;210&gt; 8732

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8732

ctgtagttta agatgttaga caccagactc tcacgcttga tccaaacatc ttactcaac 60

cacacaacaa atgaggtaat atctgtgtgt aagtttcacc ttttgtcatt taccttctcc 120

tctcggtaaa aatgtaaaga aaaaagtgtat tatgcttctc cttgctccac tgtaaata 178

&lt;210&gt; 8733

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8733

tgttatatta gtgatagata tctattatag attgtgaatc aaaattatga atcttcagat 60

tgatgtgggt gtcgtgaata tggttcagaa gatgtcgata agtagtagga ctgcaagttt 120

aggttactta tgctaggact gatgtttgtt tgaatatttg taagtgttg gttattgaaa 180

gtgattgcct ttaatccaag acttatagtg 210

&lt;210&gt; 8734

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8734

aggtagttta tgaatatgcc agaaatatgt tacataagca attataagac gtgcaagtat 60

ggaatggatt acctcgtctc cgctcaaaaa cactgatctc tgaaggaaga tggatttata 120

tgtggatatg caagtctgat cataaggttc attgtgagat gatggggaac atgtaactta 180

gttatagagc taagaggagt tattgtgcag tgtggagtac tcaagctttc ttatctagat 240

gtactcagtc atctggctac ctcggtgcgt gaaccaatct aattattaat ggattagcgg 300

ccgtctggag gtcgatcata taggagaagt ccgtgcgc 338

&lt;210&gt; 8735

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8735

ggccccgggg caaggtacct aattttggtt ttcattggatt tacatttttt taagggggcg 60

tttaagggtga atttattggt atttaataat gtcttgagga taactttggg gtataagatt 120

ccaattttta tgtaattacc tactattatt tttgtgttgt cgttttgcaa agaaagataa 180

tgattcctgg gggcttgggg aaatattaat 210

<210> 8736

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8736

tacagctttt tttttttttt tttttttttt tggttttaag ttttattatt gaaaaaacia 60

aaattcaatg gtttattcat gtttttggca aaagaaaaaa acaggggacg ggggaccttc 120

ccctaaggga aaattattct ttgggttaaa ttatattaat tatgggaatt gaaacttatt 180

aaattaaccg ggaaattaaa aagaattaat taagaaaaag ggaaaggaaac gggggggaag 240

gggtcttgat ttgtggga 258

<210> 8737

<211> 370

<212> DNA

<213> Homo sapiens

<400> 8737

gtatacgtgt attatttgtt ttgttttgt tctgtgggaa tgaagaaata ttttagtaaa 60

gtgtggggag cgggatgatg ttcaatctca caacttttgg aaatgcttct tgggtctgtc 120

agccgttggg gatctttatc ttatttaaat gcaactgtatt gtgcagaggc ctgggtctcgc 180

gtgttggtgac cattatttat atctggatat ccctaagata ggtggacagg tgtgctgtg 240

gtggcggctg ctctatctct gttgtggatt atacgtcgga tgcagatgag atatatgggt 300

gtgctcataa tgcgttggat gcataacatg agtattatat aatgtaaaca aaatagcttg 360

gggtcgggtat 370

<210> 8738

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8738

actgcacact gatctgtaac tcatacgcag ttgttatctt gttttatctt cataccaggc 60

catattatct ttatgaacag actggtgtat ctactaaaaa atatatttat ttctgagagc 120

tatgtttttg gctgggagga gtgatctctc ttcatactta aatgttttat tatatgctta 180

attattgtat tctgggtggt tgggtgtatg tacttgctgc gaggtggtgc tgagatgtca 240

ctactgggtg cgcgctgca tgtcagtcga acatatggga gagcttgcaa gtcgtcgggt 300

ggatagctct actattctat agtgtgaata taatagctgt ctataatcgt ggtcttaatt 360

gtttgctggt gtgatattgt tttcct 386

<210> 8739  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8739  
 tggcgctcgc ggtagtgatc catgagaaag ccatgtcagt tcgaacgata gatcgtaag 60  
 actcatgaga gaaactgacg agtttaaatct gaatctccta gttctttgga gatggagatg 120  
 aatcgtgaat acagctgaga tctagtagat attattaggt agcaaagaa attgtagttg 180  
 gtgggtggtg gaatgctata ataatctttg ttctccgtgt ctcagttgaa atctttacac 240  
 aaattataag gctgggtg 258

<210> 8740  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8740  
 aggtaggagc attgtgccca ttatttctta tggtcgatag agggttcagg ggggtgctaag 60  
 acggtatata ccggccgtat cttcatgatg gctaaggaaa gttatttgag gaatatcgag 120  
 catgaacgtg tgttttgttg gggagatact gtaccattga gtgtatttta ctgacgcggc 180  
 tgtgttctga tgaaagtggg tgggtattta cgtcttgaa aagtgtttgt ctttcaatct 240  
 gatgtgttgc cagctcatat gtgcgagggt ttgtgctatg tgttcattat cagaatgggg 300  
 gtttccatat gccatatctg acgtgggtggc ctgtctatat caatgaatgt gtcgcagctg 360  
 aatgacacgt tgaaaatatt ggagag 386

<210> 8741  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8741  
 aaatgtttga tctgttattg aattgatctg tacagagtca tgatattttt ttggtatgta 60  
 tgagtaacat gaatgcttct gtatgaaaca gttgttatat atactctaga tttatatact 120  
 aacattctgg tttggctatt tatgtgatat tgatgggtgt atatattata gtattatgtg 180  
 ttcattccat aaattttatg aatataaatt cattgatttc tgtcttctat ggtgatgggt 240  
 ggtgactagt gtttggatgg agtctaatat taaatgattg tagcgattga ttatgtatgg 300  
 aattaatatc tatctcatat aagacgcaaa aaaaacaagg aaagaataat accaaatgta 360  
 gtggaggaag agggagggaa cgaaag 386



<210> 8742  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8742  
 gtacaagctt tttttttttt tttttttttt ttggttttaa atttttttat taaaaaaaaa 60  
 aaaattcaat ttttttatca atttttttgc aacatataaa aatcatggac gttgaaccat 120  
 cccaataggg aaatcttttc tttgggttaa attattttta ttatgggaaa tgatatttat 180  
 tacaataaca aggaatttaa aaaaatataa ttaaaaaaaaaa gggataggaa ttggggaaag 240  
 gattctttat tttggaggaa ttgtgtctct tgtaaaagca tccgggttca ggcaaccttc 300  
 cttgaaaatt tcttgtttct aa 322

<210> 8743  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8743  
 taggtatcgt gtgtggcgct gacgtcctcc tctgaagcat gggatctctg atttgctagg 60  
 tcctgggtgc ttcagttgcc tgattagtct ccgaggccgt gttagcagtc agtagatgtc 120  
 cgtactagat cctgtgaggt aggggtggtg gtactgggag atgagtagat agagatgcca 180  
 gtaacatgtt gtcttcctaa acaagagagg tcgggaggta tgtgtgtggg ggaagtggag 240  
 agtgggtcca gaaatatgtc agagagctgg tgttgagtga ctgatgggta taaagatgta 300  
 ggtgtaagac tcaggggtgc agtggggagg agcacgagcc tgagctcgtg gggagcatga 360  
 cgtgatgatc gtcgtaggag acgtta 386

<210> 8744  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<400> 8744  
 ggtactgatt ttggattttt gatttttttt ttgggtgtga acttatactt gattgatata 60  
 tatcatatat agataatttg aacatatgat ttactatcca ttgtgggttg atgtatagat 120  
 tgtcaactta tatttggaaat gtaataagta tgtattcttc tgtaaatgct atgttctcct 180  
 ggtgttcacg tgacacatgg aatttgtgtc tgatgtgcca ttagagcggg gtctcatatt 240  
 gtccgcatat cttgatcgag gtagtgaatt ggatcgatc ttttgattta taagtgttca 300  
 ttgtatgatt ctgtgagtta tacataccac ggatgggatg ttgcttatgt tggctgccta 360  
 tttggctctg gagattgagc gtttttatca catacatttg cctaatttgt cataatacaa 420  
 tggattagat gacacctctg tcgcgaacat tcttatctgt attgtattcg tgggtggactt 480

cacgtcgaat atgtgggaga tctcctatcg cgatgagatg tgtagcttga tgttgctata 540

gcggtcccta aatggctcga cgatcatcatt atcatgggtg tttccagggt gtag 594

<210> 8745

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8745

gcagggtactg attatggagt caatgaatat atggaagggg cattcatgat atatgatgta 60

ggatgggtatg ttttcatatg gatcaacgta gaatcattca agttatgtat ggtatgctgt 120

gtatacaatg gctcatatag tgagatgata tctataaatg tatatgctga ataataattac 180

tttatgtttt tatgtacatt gtttgattag gtgaaataag tacataacgc atgggatcctt 240

gcgtaggtcg gctgtctaga tggactctga cataaagtct tgttttcgga tagcatagat 300

tgattagtgg catctaatag gattatctga gacagtcagg ggatatagga ttcataaatc 360

atacttgtat ctagtcatat gcatgcttat ctacacaaaa gtagatatta tatatactta 420

tctgattgat gagatctctc atatctctcc catatttatt atgttgtata tcaatttatg 480

gattttttatc tggaatttga agatagcacg ttcg 514

<210> 8746

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8746

agtgattatg gaaacatgaa gctattttaag gggtttattac ccctaaagga atggaaagta 60

atctataata tggataaaag acattttatta aaaaaataa ttgttgtctg tgtatagaaa 120

agcagcttac aatgaatatg ttatcaataa atatctatgc ttagaaagtg caaccttctt 180

ggctcttataa acaaaaagtg ggcattgggt atcctttgat aacttacggc caggggggttc 240

attaggaaat ccaccccatc atgatggaag tttggcggcc ccatcttccg ttatgggttaa 300

aaaaaa 306

<210> 8747

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8747

aggagttcat cagcggtcag tctgtgggtg ttgtggccat tgccttcac accatgatga 60

ttatctcggt agcctggcta atattttact atatacagcg tttcctatat actggctctc 120

agattggaag tcagagccat agaaaagaaa ctaagaaagt tattggccag cttctacttc 180

atactgtaaa gcatggagaa aaggggaattg atgttgatgc tgaaaattgt gcagtgtgta 240  
 ttgaaaattt caaagtaaag gatattatta gaattctgcc aatgcagcat atttttcata 300  
 gaatatgcat tgacccatgg cttgtggatc accgaacatg tccaatgtgt aaacttgatg 360  
 tcatcaaagc ctaggatat gggggagagc ctggggatgt acctcggccg gcgacacgct 420  
 aatgactagt 430

<210> 8748  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8748  
 cagtcagttt acgagtgtt ctagattagg ttgtataatt tatgatggat tggcagaggt 60  
 gcatacatta aatgtaactt gttttttgtc ctctccatt atacataatg gagtgatgat 120  
 atactgaatg tgtgggaaga ataatgaaag agattgaatt tctacatcta gtgcatca 178

<210> 8749  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8749  
 tactaataat ggtgttggt tagctatgat ggattcaaca tgaaaaatgt gaagctgtga 60  
 taggtcattg taatgtaaaa tttgttaaga caacaacatc agtttttggg cggatatgat 120  
 atttattgtg taaatttgct gatggaggac aggaccagag acagaatcag caatatacat 180  
 gctataggga agga 194

<210> 8750  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8750  
 aggtgcatgc tggatgatag gatgaatttg aatgaatggt atctcctgag aatgggcaga 60  
 cactagaaca tgaccttctg gacttacaga ctggcgatgt gaatacaaaa taatgtgtcg 120  
 agatgtgatc gacaatggta ttccactgag gggactaca gtcagacaag atatgacgaa 180  
 gatgtgtgag ggagtgggga ggaagatgag aaagtagtgg tattatccga acacagtaga 240  
 attgggtgcaa tttgctgata tgaaatgggt gatacatgct agattcaagt gtgatgagaa 300  
 ttggtactag ggatggaaag tcaactgctaa gattgcaagt gagtgagagt ggtgagccag 360  
 atgctctgga ctgcgtcata acatggactt gtgcaaatga ta 402

<210> 8751  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8751  
 cagaattata taataactaat gcgtatgtga tgtgagacgg tagctgctgt cagacggcat 60  
 cactgtgaat tcagatgcaa agaggaactg ttgatcttga tgcccatacc tctgatcaga 120  
 atcttgacat actgtcatga gacactatag ggtacgttat ca 162

<210> 8752  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8752  
 agataactat gggttaaaag agagagtgga ttttttatac atgattggat acagtgggat 60  
 tgaccatcag ctgactagga gataatataa caggctgttg aaagtgattg ttttttgaag 120  
 atagaggata tgagattttc tgctgatctt ataatggtgt gatgtctgat atcttgtgtt 180  
 cgctgttatt gtta 194

<210> 8753  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8753  
 acacactgcc actggctttt gctgtccacg gccatgacag accgacgcag cgagctttct 60  
 ctcaaaagca atgcttaaat tttattcata atatactgac tgcaacaaca tcatgaaaat 120  
 acaaaaaaaaa aaaaaaaaaa gacttgtaca tgaacagagg cg 162

<210> 8754  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8754  
 ggtcatacaa agagggcact acaccagctt cttggcctca aagaagctct tgaggtgacg 60  
 catctgccag atgccagtga ggatgaggat gacagtctga gcaatggacc accataggta 120  
 cctctgggtg gtgctctcgc tcgtcagtcg gaagcgtctt tcacgatacc tttggtaatc 180  
 ctgctccttc tgaatctgtt ccacctgac aagcaactgg cgggagcggg gctgtagctc 240  
 cgacagatta tcttttgaag aaatctcagg gtagtagtag gaatgctccc caaactggat 300  
 gtagagatga caccgaagtt tgacaacaga gaagagagcc atcctgatag aataggagtg 360  
 aagacagata tgatggtcac cgggagtgtg ggaggtgaaa gtgaagagga actcagagca 420

gataatgacc gggaggaaga acgaaataaa tagagaataa gaagac

466

<210> 8755

<211> 496

<212> DNA

<213> Homo sapiens

<400> 8755

gagtgagect cctcaccct ctctgctctg ctgatggggg cttttggaca gcaaggcata 60

gagcagaaaa cgtgaacact gctacccttg gtgaaaaact gtgtgacctt gagcaagtcg 120

gtctcgctca gtctctttcc tcagctgggg ataaaaattcc tacttcacag gactgtaaag 180

attaagcaag gcaagggaata tgaaagtgtg tagcacataa taggggaaca atatatcctg 240

tatctgagta tggataggag tgtggagatc atccagggtg agaggagaa gaggggatta 300

aagacagtca gtgggattaa gtgtctaccc tgaccttgct tctctacatt tccttttcat 360

cttgaaagaa gttggagggtg gcaaaaatat taagaagggtg gatcagaatg acttggggagc 420

tgaaatttgt gaggggaagag acaggctgtg caccttctag aatggattta tctcttttat 480

gactaccaag aaggga 496

<210> 8756

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8756

catagggtgct tactatactg ttttgtttct gaatttgga tttctcaaaa ttaaaaaaat 60

atctactgag gagcttttctg ttttaactgg tggggaatgg gttctgggtg gttttgcccc 120

ttgttttttt agattcaaga aatccatggt gaaagggttg gtattctatg aagaatagga 180

ggataaagtg atcaaggaga tggcagctca gatgcgcgag gtggagcaga gccgacagga 240

agtgggcgtg tccgctct 258

<210> 8757

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) .. (551)

<223> n = A, C, T or G

<400> 8757

aggtacacat tgccatgaga tggcactttc tgaggatact cactaaaact gagtttcttc 60

attagaaaaa tctcactttt tatcatcatc tcagtgcctg gtattgggtgc ccttangtct 120

gtgaacagca ttgcgttatg ccagtaaag aataacttaa tcaataattg cattctcagc 180  
 agtctcttta gtctttgttt gtttgtttgt ttttcacagt tgaattgcaa tgtagctgtt 240  
 tggcagaggc attaacattt ttgccctaac cctggcctgg tgcctangct caggggagta 300  
 aaattagagc caggagccag ngagctgagg agaccactta aaaggcatgc tagcatttga 360  
 taagtaaggg gttactttgt gaggaaaaga aactttatat gctttaagca agcctcttta 420  
 tgaggaagaa aaggtcagct actgaagcgg ggtcccaact actgctgggt ctgtagagga 480  
 gagagacacc cccaaaatcc agatgtttta gttaacaatc agacacagac ttgtctctgg 540  
 tttcttacag g 551

<210> 8758  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)..(466)  
 <223> n = A, C, T or G

<400> 8758  
 cgggncagnn tacatggntg nantggagnc ctnnccctcca cccctctctg gctctgnctg 60  
 nnatgggggn cttttggnac agccaaggnc ataggancag gaaaacgtga acactgctac 120  
 ccctggtgaa aaactgtgtg accttgagca agtcggtctc gctcagtctc tttcctcagc 180  
 tggggataaa attcctactt cacaggactg taaagattaa gcaaggcaag ggatatgaaa 240  
 gtgcttagca cataataggg gaacaatata tcctgtatct gagtatggat aggagtgggg 300  
 agaatatcca gggtgagagg gagaaaaatg gattaaagga caagcagggg gattaaatgt 360  
 ttaacctgac cttggttgtg tatattttgt tttgaattag aaagaaattg gtggtgggaa 420  
 aaatattagg aaggggtgaac agaaagacat gggggcaggc atatgt 466

<210> 8759  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8759  
 tgattttctaa agtaagcctc agaatttcca aaccaattca tccacagctg tttctgggct 60  
 ggtttttaag tagctgctac agaatcatga ggctttccct ttttatcaaa tacgaaaaac 120  
 atttttaaaa ttctgcacac ccagtgatca tcttttgtgc gggaaagcaa gatgatgatg 180  
 gatgatttta ttcaccttt tagtaaagac acaaaacatt tttctcaaca tttgtacagt 240  
 tctgaaaaaa acctgggtcac caaaaatata ttctctgcta attcagcaat tcttgggctc 300

cagttagggg agctgggggc tcactttctc ccaggattgt gggcttctct ggaagtgaag 360  
 ggtgaggaat gagtggggtg tcgagcccag ccctggctgc ctgtgggttt gggggagggg 420  
 gcgagggatg aggtgccctg gcagatggca 450

<210> 8760  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8760  
 gcagcttccc cgagctgatg ccattcgttc acgtctcadc gatactttct ctctcatcga 60  
 gcatttgcaa ggcttgagcc aagctgtgct gcgacacact atcaggagtt acttgatcct 120  
 tcccgccaga agaaacttat gttgggagat caacaccagc tagtgggcgt ctctataaag 180  
 cctcaacgta tagaacagat ttcacatgcc cagaggctgt tgagcaggct tcatgtgcgc 240  
 tgcagtcaga ggccacctct ttctttgtgg gccggatggg tccttgagtg tatectttca 300  
 tgtcactcat ttttatacctg gctgttgatc atctgcctaa tgaattattt tttgcttccc 360  
 aaactccatt gtctcattct caatgcttat gttattgctc ttattatttc cgctgcataa 420  
 atcagaaaaga actcaaaaaa aaaaaaaaaa aaaaaattgg ggggcggaag cttattccct 480  
 ttagtgaagg ttaattaaag cttgggactg gccggagggtg taaaaagtcg 530

<210> 8761  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(690)  
 <223> n = A, C, T or G

<400> 8761  
 taagcgtgtc cagaattggg gggctctact gacttcaaga atgaagccgc ggacctctct 60  
 ggcggaattc tccacgagtt ttgagcagcc tcgggttttcc caccacctcc aaatcatgca 120  
 agacacaggg taagagcaaa gacaatgtgg ctgtggccga tgtccacctc ctgggggcgt 180  
 cccttctctt ctctcctcct tgagcagggg gaccatcggg gtgcaacctg gttggggcgg 240  
 ggaggagggtg cagggcctgg ccagagcggg cctggccacg ggcaaggggac agcgaccccc 300  
 gggccaggac aggtgagagc ggcgcaggcc cgggcccggc gtggcggagg tgcgcgtgag 360  
 cggncagcag agggcgccag agagccagga gcggcccgcg gaggagcccc cgccggcccc 420  
 ggtgcccacc tccgcgcgcg gcggacctc cgagcccgcg ctgagacgcc ccagctccgc 480

cgagagggcg cttgcgccgg gtccttctcc cccaaatgca ggcagagccc ccggagccat 540  
 gggcaggcct tccggcagct ccaaagccac tggcaagccc cgaaggcagg atggccggcc 600  
 caggagggag gaggacgacg tcccctcccg aagagaagaa gctgcggtc ttgctggtag 660  
 gggggaagcg cacagcccca ggaactggaa 690

<210> 8762  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8762  
 atagattttc aaaatgtcta aaaagtgcag tttgaattgt tacatgttaa tacacagttg 60  
 ctttattcag atgtgtttgt gttgacggac taacagtgcc ttctggatct gtgcaaataa 120  
 tggtagccct ccctgcaaag aaaaaagag tcattaaagc actacaatat tacacataaa 180  
 ctgatccatc taggtcagct ttagtcagga ccggagaatc agcaaacata agaaaaacaa 240  
 aacctaggaa tacatacaaa agctctcatg gggtgctaga accctcttag actggtgatg 300  
 tatgtggagg gcattaagag ctggaaaggc gtatatgggt aactaccgtt aactatattc 360  
 tacagcaagg gctggggggg cagaacaagg tgaaggtggg tggttattag ggttggga 418

<210> 8763  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<400> 8763  
 aatgaatgaa aataaagttt tacctcccaa gtcaatttca cataattcta attcctttta 60  
 actagagaat atcttgttta gaaggatcat taagctaggt caaggtaaaa aacaggttat 120  
 aagacaaatg catatgaaat ctacaactta taaggaaaga aaataccaaa ttagttctat 180  
 cagtcctcta aactacagaa gaacattatt ttacctagt gtgcatgtac acacacacac 240  
 acacacacac acacaaatat ttaatgcttt taagtacatt tttaaaaaaa atctaaacaa 300  
 tactttgact agtcttttcc tctaataatt atatatagac tgaagttttt gaaaataaaa 360  
 gtagctgagc caatgaaatg ctttagcatt gtatttttac catcaagcac tgttttagcag 420  
 gctgtatttc ccacttttct tcattgatat caggagcaag cactagaaat atagaaaata 480  
 aatataaaat aatcacaagt tottaacctt atttttttca gtctttatca gcttcacgta 540  
 gagagctgct cactgtgtta tagcactttt taagttgcaa agccttgtca tatacattat 600  
 aatttgatt cctctaagca agtcaagggg cg 632

<210> 8764  
 <211> 450



<212> DNA  
 <213> Homo sapiens

<400> 8764  
 tgcagacctc ggaagggagc ggatagcggc acccggagcc gcccgagag caaagcgcg 60  
 ggaaccaagg agacgctcct ggcaactgcag ataacttgctc tgcatttcaa gaacaaacta 120  
 ccagagacct tacctgttca cttggctctc ccaaccaatg gagatggctc caatgggtggc 180  
 acaaaccagg gaagggaaat ctgaggttta attcctttat gcctcattct ctgagtgtctg 240  
 aaggcttgct gtaggcctgt atgcctgtta aatgctaaat tgtgataggg gtttttgcct 300  
 tccaatgaac tccacatat ttacatttta ccagtgtatg atgccctgtt actagcattg 360  
 acatgggaac aaaattgctg ccggggggag gatgaacaaa gaaagtcatg aagttacccc 420  
 ttgtctggga taaaactata gtactttcaa 450

<210> 8765  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(562)  
 <223> n = A, C, T or G

<400> 8765  
 ggggtaccat ttacacacc tccgncggtg gnaaatcctt gnaaagnaaa gcagcaccag 60  
 ctgctgactg caggcctctc tgccacctct gcctgcccgc ctactgact gttcatctg 120  
 ccagcctcgc atgcatttct gacaacacac ctgtccatca cagacactgc cagctgctct 180  
 gtgtgtatcc atgtgtgtga gccagtgggtg ctggcgggca gcggaacgat cgtccgtgat 240  
 gctagaccga acatgcacgg gcacgcattct cctggcgtgt gagtggaggc tgtcagaggg 300  
 gcggacggga gtgagggcat gtgtctgcat gggactgata gggacagaga aacagtggca 360  
 gacttgggag atacatagct caccagacaa acatgcaccg tcagatagat agagggtaga 420  
 aagatcaggg agaagagaga gccagcaaa catgcacacc angcagtggc gggagaggca 480  
 cgctcactac ataggaagaa tgaacagacg gcacacgcac gcagggcatg gactgcagca 540  
 catctaacca accatgccta ga 562

<210> 8766  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; (1)..(594)

&lt;223&gt; n = A, C, G or T

&lt;400&gt; 8766

```

cattgccatg agatggcact ttctgaggat actcactaaa actgagtttc ttcattagaa    60
aatctcact ttttatcatc atctcagtgc ctggtattgg tgcccttang tctgtgaaca    120
gcattgcgtt atgccagtaa atgaatactt aaatcaataa ttgcattctc agcagtcctc    180
ttagtctttg tttgtttgtt tgtttttcac agttgaattg caatgtagct gtttggcaga    240
ggcattaaca tttttgccct aaccctggcc tgggtgcctan gctcnaggga gtaaaattag    300
agccaggagc caggangctg aggagaccac ttaaaaggca tgctagcatt tgataagtaa    360
ggggttactt tgtgaggaaa agaaactttt atatgcttta ngcaagcctc tttatganga    420
agaaaaagtc agctactgaa cgggggtccca actactgctg ggtttgtaga ggagagagac    480
acccccataa tccagagggt cagttaacaa tcagacacag acttgctctc ggtttcttac    540
agggtgacag cagtattcgc tattttgaga tcaccgatga aaaccccggc accc        594

```

&lt;210&gt; 8767

&lt;211&gt; 754

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(754)

&lt;223&gt; n = A , C, T or G

&lt;400&gt; 8767

```

actatattta ggcaccactg ccataaacta ccaaaaaaaaa aatgtaattc ctagaagctg    60
tgaagaatag tagtgtagct aagcacggtg tgtggacagt gggacatctg ccacctgcag    120
taggtctctg cactoccaa agcaaattac attggcttga acttcagtat gcccggttcc    180
accctccaga aacttttgtg ttctttgtat agaatttagg aacttctgag ggccacaaat    240
acacacatta aaaaaggtag aatttttgaa gataagattc ttctaaaaaa gcttcccaat    300
gcttgagtag aaagtatcag tagaggtatc aagggaggag agactaggtg accactaaac    360
tccttcagac tcttaaaatt acgattcttt tctcaaaggg gaagaacgtc agtgcagcga    420
tcccttcacc ttttagctaaa gaattggact gtgctgctca aaataaagat cagttggagg    480
tangatgtcc aagactgaag gtaaaggact agtgcaaact gaaagtgatg gggaaacaga    540
cctacgtatg gaagccatgt agtgttcttc acaggctgct gttgactgaa attcctatcc    600
tcaaattact ctagactgaa gctgcttccc ttcagtgagc agcctctcct tccaagatcc    660
tggaagcac acctgactcc aaacaaagac ttagagccct gtgtcagtgc tgctgctgct    720

```

tttaccagat tctctaacct tccgggtaga agag

754 .

<210> 8768

<211> 730

<212> PRT

<213> Homo sapiens

<400> 8768

Met Asp Gly Leu Gly Arg Arg Leu Arg Ala Ser Leu Arg Leu Lys Arg  
1 5 10 15

Gly His Gly Gly His Trp Arg Leu Asn Glu Met Pro Tyr Met Lys His  
20 25 30

Glu Phe Asp Gly Gly Pro Pro Gln Asp Asn Ser Gly Glu Ala Leu Lys  
35 40 45

Glu Pro Glu Arg Ala Gln Glu His Ser Leu Pro Asn Phe Ala Gly Gly  
50 55 60

Gln His Phe Phe Glu Tyr Leu Leu Val Val Ser Leu Lys Lys Lys Arg  
65 70 75 80

Ser Glu Asp Asp Tyr Glu Pro Ile Ile Thr Tyr Gln Phe Pro Lys Arg  
85 90 95

Glu Asn Leu Leu Arg Gly Gln Gln Glu Glu Glu Glu Arg Leu Leu Lys  
100 105 110

Ala Ile Pro Leu Phe Cys Phe Pro Asp Gly Asn Glu Trp Ala Ser Leu  
115 120 125

Thr Glu Tyr Pro Ser Leu Ser Cys Lys Thr Pro Gly Leu Leu Ala Ala  
130 135 140

Leu Val Val Glu Lys Ala Gln Pro Arg Thr Cys Cys His Ala Ser Ala  
145 150 155 160

Pro Ser Ala Ala Pro Gln Ala Arg Gly Pro Asp Ala Pro Ser Pro Ala  
165 170 175

Ala Gly Gln Ala Leu Pro Ala Gly Pro Gly Pro Arg Leu Pro Lys Val  
180 185 190

Tyr Cys Ile Ile Ser Cys Ile Gly Cys Phe Gly Leu Phe Ser Lys Ile  
195 200 205

Leu Asp Glu Val Glu Lys Arg His Gln Ile Ser Met Ala Val Ile Tyr  
 210 215 220

Pro Phe Met Gln Gly Leu Arg Glu Ala Ala Phe Pro Ala Pro Gly Lys  
 225 230 235 240

Thr Val Thr Leu Lys Ser Phe Ile Pro Asp Ser Gly Thr Glu Phe Ile  
 245 250 255

Ser Leu Thr Arg Pro Leu Asp Ser His Leu Glu His Val Asp Phe Ser  
 260 265 270

Ser Leu Leu His Cys Leu Ser Phe Glu Gln Ile Leu Gln Ile Phe Ala  
 275 280 285

Ser Ala Val Leu Glu Arg Lys Ile Ile Phe Leu Ala Glu Gly Leu Arg  
 290 295 300

Glu Glu Glu Lys Asp Val Arg Asp Ser Thr Glu Val Arg Gly Ala Gly  
 305 310 315 320

Glu Cys His Gly Phe Gln Arg Lys Gly Asn Leu Gly Lys Gln Trp Gly  
 325 330 335

Leu Cys Val Glu Asp Ser Val Lys Met Gly Asp Asn Gln Arg Gly Thr  
 340 345 350

Ser Cys Ser Thr Leu Ser Gln Cys Ile His Ala Ala Ala Ala Leu Leu  
 355 360 365

Tyr Pro Phe Ser Trp Ala His Thr Tyr Ile Pro Val Val Pro Glu Ser  
 370 375 380

Leu Leu Ala Thr Val Cys Cys Pro Thr Pro Phe Met Val Gly Val Gln  
 385 390 395 400

Met Arg Phe Gln Gln Glu Val Met Asp Ser Pro Met Glu Glu Ile Gln  
 405 410 415

Pro Gln Ala Glu Ile Lys Thr Val Asn Pro Leu Gly Val Tyr Glu Glu  
 420 425 430

Arg Gly Pro Glu Lys Ala Ser Leu Cys Leu Phe Gln Val Leu Leu Val  
 435 440 445

Asn Leu Cys Glu Gly Thr Phe Leu Met Ser Val Gly Asp Glu Lys Asp  
 450 455 460

Ile Leu Pro Pro Lys Leu Gln Asp Asp Ile Leu Asp Ser Leu Gly Gln  
 465 470 475 480

Gly Ile Asn Glu Leu Lys Thr Ala Glu Gln Ile Asn Glu His Val Ser  
 485 490 495

Gly Pro Phe Val Gln Phe Phe Val Lys Ile Val Gly His Tyr Ala Ser  
 500 505 510

Tyr Ile Lys Arg Glu Ala Asn Gly Gln Gly His Phe Gln Glu Arg Ser  
 515 520 525

Phe Cys Lys Ala Leu Thr Ser Lys Thr Asn Arg Arg Phe Val Lys Lys  
 530 535 540

Phe Val Lys Thr Gln Leu Phe Ser Leu Phe Ile Gln Glu Ala Glu Lys  
 545 550 555 560

Ser Lys Asn Pro Pro Ala Glu Val Thr Gln Val Gly Asn Ser Ser Thr  
 565 570 575

Cys Val Val Asp Thr Trp Leu Glu Ala Ala Ala Thr Ala Leu Ser His  
 580 585 590

His Tyr Asn Ile Phe Asn Thr Glu His Thr Leu Trp Ser Lys Gly Ser  
 595 600 605

Ala Ser Leu His Glu Val Cys Gly His Val Arg Thr Arg Val Lys Arg  
 610 615 620

Lys Ile Leu Phe Leu Tyr Val Ser Leu Ala Phe Thr Met Gly Lys Ser  
 625 630 635 640

Ile Phe Leu Val Glu Asn Lys Ala Met Asn Met Thr Ile Lys Trp Thr  
 645 650 655

Thr Ser Gly Arg Pro Gly His Gly Asp Met Phe Gly Val Ile Glu Ser  
 660 665 670

Trp Gly Ala Ala Ala Leu Leu Leu Leu Thr Gly Arg Val Arg Asp Thr  
 675 680 685

Gly Lys Ser Ser Ser Ser Thr Gly His Arg Ala Ser Lys Ser Leu Val  
 690 695 700

Trp Ser Gln Val Cys Phe Pro Glu Ser Trp Glu Glu Arg Leu Leu Thr  
 705 710 715 720

Glu Gly Lys Gln Leu Gln Ser Arg Val Ile  
 725 730

<210> 8769  
 <211> 674  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (201)..(201)  
 <223> n = A, C, G or T

<220>  
 <221> misc\_feature  
 <222> (477)..(538)  
 <223> masked repetitive sequence

<400> 8769  
 taaaagcagg ctgtgcacta gggacctagt gaccttacta gaaaaaactc aaattctctg 60  
 agccacaagt cctcatgggc aaaatgtaga taccaccacc taaccctgcc aatttcctat 120  
 cattgtgact atcaaattaa accacaggca ggaagttgcc ttgaaaactt tttatagtgt 180  
 atattactgt tcacatagat nagcaattaa ctttacatat acccgttttt aaaagatcag 240  
 tcctgtgatt aaaagtctgg ctgccctaatt tcacttcgat tatacattag gttaaagcca 300  
 tataaaagag gcactacgtc ttcggagaga tgaatggata ttacaagcag taatggtggc 360  
 tttggaatat acacataatg tccacttgac ctcactctatt tgacacaaaa tgtaaaactaa 420  
 attatgagca tcattagata ccttggcctt ttcaaatcac acagggtcct agatctnnnn 480  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac 540  
 tttgggattc ctatatcttt gtcagctgtc aacttcagtg ttttcagggtt aaattctatc 600  
 catagtcatc ccaatatacc tgctttagat gatacaacct tcaaaagatc cgctcttcct 660  
 cgtaaaaagt ggag 674

<210> 8770  
 <211> 1010  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (1)..(1010)  
 <223> n = A, C, T or G

<400> 8770  
 cggacaggta cctaaaagca ggctgtgcac tagggaccta gtgaccttac tagaaaaaac 60  
 tcaaattctc tgagccacaa gtcctcatgg gcaaaatgta gataccacca cctaaccctg 120  
 ccaatttcct atcattgtga ctatcaaatt aaaccacagg caggaagttg ccttgaaaac 180  
 tttttatagt gtatattact gttcacatag atnagcaatt aactttacat atacccgttt 240  
 ttaaaagatc agtcctgtga ttaaaagtct ggctgcccta attcacttcg attatacatt 300  
 aggttaaagc catataaaag aggactacg tcttcggaga gatgaatgga tattacaagc 360  
 agtaattttg gctttggaat atacacataa tgtccacttg acctcatcta ttgacacaa 420  
 aatgtaaact aaattatgag catcattaga taccttgggc cttttcaaata cacacagggg 480  
 cctagatctg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540  
 nnnnnnnnnn nactttggat tcttatatct ttgtcagctg tcaacttcag tgttttcagg 600  
 ntaaattcta tccatagtca tcccaatata cctgcttttag atgatacaaa cttcaaaaga 660  
 tccggctctc cctcgtaaaa cgtggaggac agacatcaag ggggttttct gagtaaaaga 720  
 aggcaaccgc tcggcaaaaa ctcaccctgg cacaacagga ncgaatatat acagacgctg 780  
 attgagcggt ttgctccatc ttcacttctg ttaaatgaag acattgatat ctaaaatgct 840  
 atgagtctaa ctttgtaaaa ttaaaataga tttgtagtta tttttcaaaa tgaaatcgaa 900  
 aagatacaag ttttgaaggc agtctctttt tccaccctgc ccctctagtg tgttttacac 960  
 acttctctgg ccactccaac aggggaagctg gtccagggcc attatacagg 1010

<210> 8771  
 <211> 21  
 <212> DNA  
 <213> Human cytomegalovirus

<400> 8771  
 atgtggccgc ttctgaaaaa c 21

<210> 8772  
 <211> 19  
 <212> DNA  
 <213> Human cytomegalovirus

<400> 8772  
 tcatggggtg gggacgggg 19

<210> 8773  
 <211> 20

<212> DNA  
<213> Human cytomegalovirus

<400> 8773  
gtacgcgctg ctgggtcatg 20

<210> 8774  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8774  
tcatacccccg ctgaggttat g 21

<210> 8775  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8775  
cacggacgac gacgctgacg 20

<210> 8776  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8776  
gtacggcaga aaagccggct c 21

<210> 8777  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8777  
caccaaagac acgtcgttac ag 22

<210> 8778  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8778  
tcagacgttc tcttcttcgt cg 22

<210> 8779  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8779  
cagcggcgct caacatttca c 21



<210> 8780  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8780  
tcagcatgtc ttgagcatgc gg 22

<210> 8781  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8781  
cctccccaac tactactacc g 21

<210> 8782  
<211> 23  
<212> DNA  
<213> Human cytomegalovirus

<400> 8782  
ttactcgagc ttattgagcg cag 23

<210> 8783  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8783  
cacgtcgggc gttatgacac 20

<210> 8784  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8784  
tcaacctcgg tgctttttgg g 21

<210> 8785  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8785  
ctgtctgctc attctggcgg 20

<210> 8786  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8786  
ttactcgggg aacagttggc g 21

<210> 8787  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8787  
atgatgaccg accgcacgga 20

<210> 8788  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8788  
tcacggtggc tcgatacact g 21

<210> 8789  
<211> 23  
<212> DNA  
<213> Human cytomegalovirus

<400> 8789  
aagcttcctt acagcataac tgt 23

<210> 8790  
<211> 27  
<212> DNA  
<213> Human cytomegalovirus

<400> 8790  
ccttataaca tgtattttga aaaattg 27

<210> 8791  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8791  
atgatacacg actaccactg g 21

<210> 8792  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8792  
ttacgagcaa gagttcatca cg 22

<210> 8793  
<211> 19  
<212> DNA  
<213> Human cytomegalovirus

<400> 8793  
ctgcgtgtcc tcgctgggt 19

<210> 8794  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8794  
tcacgagtc actcggaag c 21

<210> 8795  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8795  
ctcgtcttct tcggtccac 20

<210> 8796  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8796  
ttaatcgtcg aaaaacgccg cg 22

<210> 8797  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8797  
gatgcttgta acgaaggcgt c 21

<210> 8798  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8798  
ttactgagac ttgttcctca gg 22

<210> 8799  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8799  
gtagcctaca ctttggccac c 21

<210> 8800  
<211> 22  
<212> DNA

<213> Human cytomegalovirus

<400> 8800  
ttactgggtca gccttgcttc ta 22

<210> 8801  
<211> 18  
<212> DNA  
<213> Human cytomegalovirus

<400> 8801  
acgtccctgg tagacggg 18

<210> 8802  
<211> 24  
<212> DNA  
<213> Human cytomegalovirus

<400> 8802  
ttataagaaa agaagcacia gctc 24

<210> 8803  
<211> 28  
<212> DNA  
<213> Human cytomegalovirus

<400> 8803  
atgtattgtt ttcttttttt acagaaag 28

<210> 8804  
<211> 27  
<212> DNA  
<213> Human cytomegalovirus

<400> 8804  
ttatattatt atcaaaacga aaaacag 27

<210> 8805  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8805  
cttctccttt ccttaatctc gg 22

<210> 8806  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8806  
ctatacggag atcgcggtcc 20

<210> 8807

<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8807  
atgcatacat acacgcgtgc at 22

<210> 8808  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8808  
ctacatata aaaacgcagg gg 22

<210> 8809  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8809  
atgaaagcaa gaggcagccg 20

<210> 8810  
<211> 23  
<212> DNA  
<213> Human cytomegalovirus

<400> 8810  
tcataaggta acgatgctac ttt 23

<210> 8811  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8811  
atggactggc gatttacggt t 21

<210> 8812  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8812  
ctacattgtg ccatttctca gt 22

<210> 8813  
<211> 23  
<212> DNA  
<213> Human cytomegalovirus

<400> 8813  
atgaacaatc tctggaaagc ctg 23

<210> 8814  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8814  
tcagcacacg aaaaaccgca tc 22

<210> 8815  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8815  
atgaagccgg tgttggtgct c 21

<210> 8816  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8816  
ttaaataaat cgcagacggg cg 22

<210> 8817  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8817  
atggatctct tgattcgtct cg 22

<210> 8818  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8818  
tcaggagcca caacgtcgaa tc 22

<210> 8819  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8819  
cgcaaaacgc tactggctcc 20

<210> 8820  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8820

tcaccactgg tccgaaaaca tc

22

<210> 8821  
<211> 20  
<212> DNA  
<213> Human cytomegalovirus

<400> 8821  
tacggctggt ccgtcatcgt

20

<210> 8822  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8822  
ttacaacaag ctgaggagac tc

22

<210> 8823  
<211> 26  
<212> DNA  
<213> Human cytomegalovirus

<400> 8823  
atgaccacct ctacaaataa tcaaac

26

<210> 8824  
<211> 22  
<212> DNA  
<213> Human cytomegalovirus

<400> 8824  
gtagaaacaa gcgttgagtc cc

22

<210> 8825  
<211> 19  
<212> DNA  
<213> Human cytomegalovirus

<400> 8825  
cgttgcggtg tctcagtcg

19

<210> 8826  
<211> 21  
<212> DNA  
<213> Human cytomegalovirus

<400> 8826  
tcatgctgtg gtaccaggat a

21

<210> 8827  
<211> 5252  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 8827

ctctctccca gaacgtgtct ctgctgcaag gcaccgggcc ctttcgctct gcagaactgc	60
acttgcaaga ccattatcaa ctccaatcc cagctcagaa agggagcctc tgcgactcat	120
tcatcgccct ccaggactga ctgcattgca cagatgatgg atatttacgt atgtttgaaa	180
cgaccatcct ggatgggtgga caataaaaga atgaggactg cttcaaattt ccagtggctg	240
ttatcaacat ttattcttct atatctaag aatcaagtaa atagccagaa aaagggggct	300
cctcatgatt tgaagtgtgt aactaacaat ttgcaagtgt ggaactgttc ttggaaagca	360
ccctctggaa caggccgtgg tactgattat gaagtttgca ttgaaaacag gtcccgttct	420
tgttatcagt tggagaaaac cagtattaaa attccagctc tttcacatgg tgattatgaa	480
ataacaataa attctctaca tgattttgga agttctacaa gtaaattcac actaaatgaa	540
caaaacgttt ccttaattcc agatactcca gagatcttga atttgtctgc tgattttctca	600
acctctacat tatacctaaa gtggaacgac aggggttcag tttttccaca ccgctcaaat	660
gttatctggg aaattaaagt tctacgtaaa gagagtatgg agctcgtaaa attagtgacc	720
cacaacacaa ctctgaatgg caaagataca cttcatcact ggagttgggc ctcagatatg	780
cccttggaat gtgccattca ttttgtggaa attagatgct acattgacaa tcttcatttt	840
tctgggtctcg aagagtggag tgactggagc cctgtgaaga acatttcttg gatacctgat	900
tctcagacta aggtttttcc tcaagataaa gtgatacttg taggctcaga cataacattt	960
tgttgtgtga gtcaagaaaa agtgttatca gactgattg gccatacaaa ctgccccttg	1020
atccatcttg atggggaaaa tgttgcaatc aagattcgta atatttctgt ttctgcaagt	1080
agtgaacaa atgtagtttt tacaaccgaa gataacatat ttggaaccgt tatttttgc	1140
ggatatccac cagatactcc tcaacaactg aattgtgaga cacatgattt aaaagaaatt	1200
atatgtagtt ggaatccagg aagggtgaca gcgttggtgg gccacgtgc tacaagctac	1260
actttagttg aaagtttttc aggaaaatat gttagactta aaagagctga agcacctaca	1320
aacgaaagct atcaattatt atttcaaag cttccaaatc aagaaatata taattttact	1380
ttgaatgctc acaatccgct gggtcgatca caatcaacaa ttttagttaa tataactgaa	1440
aaagtttatc ccatactcc tacttcattc aaagtgaagg atattaattc aacagctgtt	1500
aaactttctt ggcatttacc aggcaacttt gcaaagatta attttttatg tgaaattgaa	1560
attaagaaat ctaattcagt acaagagcag cggaatgtca caatcaaagg agtagaaaat	1620
tcaagttatc ttgttgctct ggacaagtta aatccataca ctctatatac ttttcggatt	1680
cgttgttcta ctgaaacttt ctggaaatgg agcaaagga gcaataaaaa acaacattta	1740
acaacagaag ccagtccttc aaaggggcct gatacttgga gagagtggag ttctgatgga	1800



aaaaatttaa taatctattg gaagccttta cccattaatg aagctaattg aaaaatactt	1860
tcctacaatg tatcgtgttc atcagatgag gaaacacagt ccctttctga aatccctgat	1920
cctcagcaca aagcagagat acgacttgat aagaatgact acatcatcag cgtagtggt	1980
aaaaattctg tgggctcatc accaccttcc aaaatagcga gtatggaaat tccaaatgat	2040
gatctcaaaa tagaacaagt tgttgggatg ggaaagggga ttctcctcac ctggcattac	2100
gacccaaca tgacttgca ctacgtcatt aagtgggtga actcgtctcg gtcggaacca	2160
tgccttatgg actggagaaa agttccctca aacagcactg aaactgtaat agaactctgat	2220
gagtttcgac caggtataag atataatttt ttctgtatg gatgcagaaa tcaaggatat	2280
caattattac gctccatgat tggatatata gaagaattgg ctcccattgt tgcaccaa	2340
tttactgttg aggatacttc tgcagattcg atattagtaa aatgggaaga cattcctgtg	2400
gaagaactta gaggcttttt aagaggatat ttgttttact ttggaaaagg agaaagagac	2460
acatctaaga tgagggtttt agaatcagggt cgttctgaca taaaagttaa gaatattact	2520
gacatatccc agaagacact gagaattgct gatcttcaag gtaaaacaag ttaccacctg	2580
gtcttgcgag cctatacaga tgggtggagtg ggcccgaga agagtatgta tgtggtgaca	2640
aaggaaaatt ctgtgggatt aattattgcc attctcatcc cagtggcagt ggctgtcatt	2700
gttgaggtg tgacaagtat cctttgctat cggaaacgag aatggattaa agaaaccttc	2760
tacctgata ttccaaatcc agaaaactgt aaagcattac agtttcaaaa gagtgtctgt	2820
gagggaagca gtgctcttaa aacattggaa atgaatcctt gtaccccaaa taatgttgag	2880
gttctggaaa ctgatcagc atttcctaaa atagaagata cagaaataat ttccccagta	2940
gctgagcgtc ctgaagatcg ctctgatgca gagcctgaaa accatgtggt tgtgtcctat	3000
tgtccacca tcattgagga agaaatacca aaccagccg cagatgaagc tggagggact	3060
gcacaggtta tttacattga tgttcagtcg atgtatcagc ctcaagcaaa accagaagaa	3120
gaacaagaaa atgacctgt aggaggggca ggctataagc cacagatgca cctccccatt	3180
aattctactg tggaagatat agctgcagaa gaggacttag ataaaactgc gggttacaga	3240
cctcaggcca atgtaaatac atggaattta gtgtctccag actctcctag atccatagac	3300
agcaacagtg agattgtctc atttggaagt ccatgtcca ttaattcccg acaatttttg	3360
attcctccta aagatgaaga ctctcctaaa tctaattggag gaggggtggtc ctttaca	3420
ttttttcaga acaaaccaaa cgattaacag tgtcacctg tcaattcagt cagccatctc	3480
aataagctct tactgctagt gttgctacat cagcactggg cattcttgga gggatcctgt	3540
gaagtattgt taggaggtga acttcactac atgttaagtt aactgaaag ttcatgtgct	3600

```

ttaaagttag tctaaaagcc aaagtatagt gactcagaat cctcaatcca caaaactcaa 3660
gattggggagc tctttgtgat caagccaaag aattctcatg tactctacct tcaagaagca 3720
tttcaaggct aatacctact tgtacgtaca tgtaaaacaa atccccgccg aactggtttc 3780
tgttctgttg tttgtggttt tctcatatgt atacttggtg gaattgtaag tggatttgca 3840
ggccagggag aaaatgtcca agtaacaggt gaagtttatt tgctgacgt ttactccttt 3900
ctagatgaaa accaagcaca gatttttaaaa cttctaagat tattctcctc tatccacagc 3960
attcacaaaa attaataataa tttttaatgt agtgacagcg atttagtggt ttgtttgata 4020
aagtatgctt atttctgtgc ctactgtata atggttatca aacagttgtc tcaggggtac 4080
aaactttgaa aacaagtgtg acaactgacca gcccaaatac taatcatgtt ttcttgctgt 4140
gatagggttt gcttgccttt tcattatttt ttagctttta tgcttgcttc cattatttca 4200
gttggttgcc ctaatattta aaatttacac ttctaagact agagaccac attttttaaa 4260
aatcatttta ttttgtgata cagtgcagc tttatatgag caaattcaat attattcata 4320
agcatgtaat tccagtgcact tactatgtga gatgactact aagcaatata tagcagcggt 4380
agttccatat agttctgatt ggatttcgtt cctcctgagg agaccatgcc gttgagcttg 4440
gctaccagg cagtggatgat ctttgacacc ttctggtgga tgctcctcc actcatgagt 4500
cttttcatca tgccacatta tctgatccag tctcacatt tttaaatata aaactaaaga 4560
gagaatgctt cttacaggaa cagttacceca agggctgttt cttagtaact gtcataaact 4620
gatctggatc catgggcata cctgtgttcg aggtgcagca attgcttggg gagctgtgca 4680
gaattgattg ccttcagcac agcatcctct gccaccctt gtttctcata agcgatgtct 4740
ggagtgattg tggttcttg aaagcagaa ggaaaaacta aaaagtgtat cttgtatttt 4800
ccctgccctc aggttgcccta tgtattttac cttttcatat ttaaggcaaa agtacttgaa 4860
aattttaagt gtccgaataa gatatgtctt tttgtttgt ttttttggt tggttgtttg 4920
ttttttatca tctgagattc tgtaatgtat ttgcaataa tggatcaatt aatttttttt 4980
gaagctcata ttgtatcttt ttaaaaacca tggtgtggaa aaaagccaga gtgacaagtg 5040
acaaaatcta tttaggaact ctgtgtatga atcctgattt taactgctag gattcagcta 5100
aatttctgag ctttatgatc tgtggaaatt tggaatgaaa tcgaattcat tttgtacata 5160
catagtatat taaaactata taatagttca tagaaatgtt cagtaatgaa aaaatatatc 5220
caatcagagc catcccgaaa aaaaaaaaaa aa 5252

```

&lt;210&gt; 8828

&lt;211&gt; 5252

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (3967)..(3988)  
 <223> Masked repetitive sequence from Repeat Masker

<400> 8828  
 ctctctccca gaacgtgtct ctgctgcaag gcaccgggcc ctttcgctct gcagaactgc 60  
 acttgcaaga ccattatcaa ctcctaatacc cagctcagaa agggagcctc tgcgactcat 120  
 tcatcgccct ccaggactga ctgcattgca cagatgatgg atatttacgt atgtttgaaa 180  
 cgaccatcct ggatggtgga caataaaaga atgaggactg cttcaaattt ccagtggctg 240  
 ttatcaacat ttattcttct atatctaataa aatcaagtaa atagccagaa aaagggggct 300  
 cctcatgatt tgaagtgtgt aactaacaat ttgcaagtgt ggaactgttc ttggaaagca 360  
 ccctctggaa caggccgtgg tactgattat gaagtttgca ttgaaaacag gtcccgttct 420  
 tgttatcagt tggagaaaaac cagtattaaa attccagctc ttccacatgg tgattatgaa 480  
 ataacaataa attctctaca tgattttgga agttctacaa gtaaattcac actaaatgaa 540  
 caaaacgttt ccttaattcc agatactcca gagatcctga atttgtctgc tgatttctca 600  
 acctctacat tatacctaaa gtggaacgac aggggttcag tttttccaca ccgctcaaat 660  
 gttatctggg aaattaaagt tctacgtaaa gagagtatgg agctcgtaaa attagtgacc 720  
 cacaacacaa ctctgaatgg caaagataca cttcatcact ggagttgggc ctcagatatg 780  
 cccttggaat gtgccattca ttttgtggaa attagatgct acattgacaa tcttcatttt 840  
 tctggtctcg aagagtggag tgactggagc cctgtgaaga acatttcttg gatacctgat 900  
 tctcagacta aggtttttcc tcaagataaa gtgatacttg taggctcaga cataacattt 960  
 tgttgtgtga gtcaagaaaa agtgttatca gcactgattg gccatacaaa ctgccccttg 1020  
 atccatcttg atggggaaaa tgttgcaatc aagattcgtc atatttctgt ttctgcaagt 1080  
 agtggaaaca atgtagtttt tacaaccgaa gataacatat ttggaaccgt tatttttgct 1140  
 ggatatccac cagatactcc tcaacaactg aattgtgaga cacatgattt aaaagaaatt 1200  
 atatgtagtt ggaatccagg aagggtgaca gcgttggtgg gccacgtgc tacaagctac 1260  
 actttagttg aaagtttttc aggaaaatat gttagactta aaagagctga agcacctaca 1320  
 aacgaaagct atcaattatt atttcaaatg cttccaaatc aagaaatata taattttact 1380  
 ttgaatgctc acaatccgct gggtcgatca caatcaacaa ttttagttaa tataactgaa 1440  
 aaagtttacc ccatactcc tacttcattc aaagtgaagg atattaattc aacagctgtt 1500  
 aaactttctt ggcatttacc aggcaacttt gcaaagatta attttttatg tgaaattgaa 1560  
 attaagaaat ctaattcagt acaagagcag cggaatgtca caatcaaagg agtagaaaat 1620

tcaagttatc ttgttgctct ggacaagtta aatccatata ctctatatac ttttcggatt	1680
cgttggttcta ctgaaacttt ctggaaatgg agcaaattga gcaataaaaa acaacattta	1740
acaacagaag ccagtccttc aaaggggcct gatacttgga gagagtggag ttctgatgga	1800
aaaaatttaa taatctattg gaagccttta cccattaatg aagctaattg aaaaataactt	1860
tectacaatg tatcgtgttc atcagatgag gaaacacagt ccctttctga aatccctgat	1920
cctcagcaca aagcagagat acgacttgat aagaatgact acatcatcag cgtagtggct	1980
aaaaattctg tgggctcatc accaccttcc aaaatagcga gtatggaaat tccaaatgat	2040
gatctcaaaa tagaacaagt tgttgggatg ggaaagggga ttctcctcac ctggcattac	2100
gacccaaca tgacttgca ctacgtcatt aagtgggtga actcgtctcg gtcggaacca	2160
tgccttatgg actggagaaa agttccctca aacagcactg aaactgtaat agaactctgat	2220
gagtttcgac caggtataag atataatttt ttctctgatg gatgcagaaa tcaaggatat	2280
caattattac gctccatgat tggatatata gaagaattgg ctcccattgt tgcaccaa	2340
tttactgttg aggatacttc tgcagattcg atattagtaa aatgggaaga cattcctgtg	2400
gaagaactta gaggcttttt aagaggatat ttgttttact ttggaaaagg agaaagagac	2460
acatctaaga tgagggtttt agaatcaggt cgttctgaca taaaagttaa gaatattact	2520
gacatatccc agaagacact gagaattgct gatcttcaag gtaaaacaag ttaccacctg	2580
gtcttgcgag cctatacaga tgggtggagtg ggcccggaga agagtatgta tgtggtgaca	2640
aaggaaaatt ctgtgggatt aattattgcc attctcatcc cagtggcagt ggctgtcatt	2700
gttggagtgg tgacaagtat cctttgctat cggaaacgag aatggattaa agaaaccttc	2760
tacctgata ttccaaatcc agaaaactgt aaagcattac agtttcaaaa gagtgtctgt	2820
gaggaagca gtgctcttaa aacattggaa atgaatcctt gtaccccaaa taatgttgag	2880
gttctggaaa ctgatcagc atttcctaaa atagaagata cagaaataat ttccccagta	2940
gctgagcgtc ctgaagatcg ctctgatgca gagcctgaaa accatgtggt tgtgtcctat	3000
tgtccacca tcattgagga agaaatacca aaccagccg cagatgaagc tggagggact	3060
gcacaggtta ttacattga tgttcagtcg atgtatcagc ctcaagcaaa accagaagaa	3120
gaacaagaaa atgacctgt aggaggggca ggctataagc cacagatgca cctccccatt	3180
aattctactg tggaagatat agctgcagaa gaggacttag ataaaactgc gggttacaga	3240
cctcaggcca atgtaaatac atggaattta gtgtctccag actctcctag atccatagac	3300
agcaacagtg agattgtctc atttggaagt ccatgctcca ttaattcccg acaatttttg	3360
attcctccta aagatgaaga ctctcctaaa tctaattggag gaggggtggtc ctttacaac	3420

ttttttcaga acaaaccaaa cgattaacag tgtcaccgtg tcacttcagt cagccatctc	3480
aataagctct tactgctagt gttgctacat cagcactggg cattcttgga gggatcctgt	3540
gaagtattgt taggagggtga acttcactac atgttaagtt aactgaaag ttcattgtgct	3600
tttaattgtag tctaaaagcc aaagtatagt gactcagaat cctcaatcca caaaactcaa	3660
gattggggagc tctttgtgat caagccaaag aattctcatg tactctacct tcaagaagca	3720
tttcaaggct aatacctact tgtacgtaca tgtaaaacaa atcccgccgc aactgttttc	3780
tgttctgttg tttgtggttt tctcatatgt atacttgggtg gaattgtaag tggatttgca	3840
ggccaggggag aaaatgtcca agtaacaggt gaagtttatt tgcctgacgt ttactccttt	3900
ctagatgaaa accaagcaca gattttaaaa cttctaagat tattctcctc tatccacagc	3960
attcacnnnn nnnnnnnnnn nnnnnnnngt agtgacagcg atttagtggt ttgtttgata	4020
aagtatgctt atttctgtgc ctactgtata atgggtatca aacagttgtc tcaggggtac	4080
aaactttgaa aacaagtgtg aactgacca gcccaaatca taatcatggt ttcttgctgt	4140
gataggtttt gcttgccctt tcattatttt ttagctttta tgcttgcttc cattatttca	4200
gttggttgcc ctaatattta aaatttacac ttctaagact agagaccac attttttaa	4260
aatcatttta ttttgatgata cagtgcagc tttatatgag caaattcaat attattcata	4320
agcatgtaat tccagtgact tactatgtga gatgactact aagcaatata tagcagcgtt	4380
agttccatat agttctgatt ggatttcgtt cctcctgagg agaccatgcc gttgagcttg	4440
gctaccagcagg cagtgggtgat ctttgacacc ttctgggtgga tgttcctccc actcatgagt	4500
cttttcatca tgccacatta tctgatccag tcctcacatt tttaaataa aaactaaaga	4560
gagaatgctt cttacaggaa cagttaccca agggctggtt cttagtaact gtcataaact	4620
gatctggatc catgggcata cctgtgttcg aggtgcagca attgcttggg gagctgtgca	4680
gaattgattg ccttcagcac agcatcctct gccaccctt gtttctcata agcgatgtct	4740
ggagtgattg tggttcttgg aaaagcagaa ggaaaaacta aaaagtgtat cttgtatttt	4800
ccctgccctc aggttgccct tgtattttac cttttcatat ttaaggcaaa agtacttgaa	4860
aattttaagt gtccgaataa gatatgtctt ttttgtttgt ttttttgggt tggttgtttg	4920
ttttttatca tctgagattc tgtaatgtat ttgcaaataa tggatcaatt aatttttttt	4980
gaagctcata ttgtatcttt ttaaaaacca tgttggtggaa aaaagccaga gtgacaagtg	5040
acaaaatcta tttaggaact ctgtgtatga atcctgattt taactgctag gattcagcta	5100
aatttctgag ctttatgatc tgtggaaatt tggaatgaaa tcgaattcat tttgtacata	5160
catagtatat taaaactata taatagttca tagaaatggt cagtaatgaa aaaatatatc	5220
caatcagagc catcccgaaa aaaaaaaaaa aa	5252

<210> 8829  
<211> 841  
<212> DNA  
<213> Homo sapiens

<400> 8829  
tttttttttt ttttcttaaa tagcatttat tttctctcaa aaagcctatt atgtactaac 60  
aagtgttcct ctaaattaga aaggcatcac tactaaaatt ttatacatat tttttatata 120  
agagaaggaa tattgggtta caatctgaat ttctctttat gatttctctt aaagtataga 180  
acagctatta aaatgactaa tattgctaaa atgaaggcta ctaaatttcc ccaagaatTT 240  
cgggtggaatg cccaaaaatg gtgttaagat atgcagaagg gcccatTTca agcaaagcaa 300  
tctctccacc ccttcataaa agatttaagc taaaaaaaaa aaaaaaagaa gaaaatccaa 360  
cagctgaaga cattgggcta tttataaatc ttctcccagt cccccagaca gcctcacatg 420  
ggggctgtaa acagctaact aaaatatctt tgagactctt atgtccacac ccactgacac 480  
aaggagagct gtaaccacag tgaaactaga ctttgctttc ctttagcaag tatgtgccta 540  
tgatagtaaa ctggagtaaa tgtaacagta ataaaaacaaa ttttttttaa aaataaaaat 600  
tatacctttt tctccaacaa acggtaaaga ccacgtgaag acatccataa aattaggcaa 660  
ccagtaaaga tgtggagaac cagtaaactg tcgaaattca tcacattatt ttcatacttt 720  
aatacagcag ctttaattat tggagaacat caaagtaatt aggtgccgaa aaacattggt 780  
attaatgaag ggaaccctg acgtttgacc ttttctgtac catctatagc cctggacttg 840  
a 841

<210> 8830  
<211> 841  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (94)..(121)  
<223> Masked repetitive sequence

<220>  
<221> misc\_feature  
<222> (569)..(604)  
<223> Masked repetitive sequence

<400> 8830  
tttttttttt ttttcttaaa tagcatttat tttctctcaa aaagcctatt atgtactaac 60  
aagtgttcct ctaaattaga aaggcatcac tacnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

```

ngagaaggaa tattgggtta caatctgaat ttctctttat gatttctctt aaagtataga      180
acagctatta aaatgactaa tattgctaaa atgaaggcta ctaaatttcc ccaagaattt      240
cggtggaatg cccaaaaatg gtgttaagat atgcagaagg gcccatTTca agcaaagcaa      300
tctctccacc cttcataaa agatttaagc taaaaaaaaa aaaaaaagaa gaaaatccaa      360
cagctgaaga cattgggcta tttataaatc ttctcccagt ccccagaca gcctcacatg      420
ggggctgtaa acagctaact aaaatatctt tgagactctt atgtccacac ccactgacac      480
aaggagagct gtaaccacag tgaaactaga ctttgctttc ctttagcaag tatgtgccta      540
tgatagtaaa ctggagtaaa tgtaacagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      600
nnnncctttt tctccaacaa acggtaaaga ccacgtgaag acatccataa aattaggcaa      660
ccagtaaaga tgtggagaac cagtaaactg tcgaaattca tcacattatt ttcatacttt      720
aatacagcag ctttaattat tggagaacat caaagtaatt aggtgccgaa aaacattggt      780
attaatgaag ggaacccctg acgtttgacc ttttctgtac catctatagc cctggacttg      840
a                                                                                   841

```

```

<210> 8831
<211> 63
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> T7T24 Primer

```

```

<400> 8831
ggccagtgaa ttgtaatacg actcactata gggaggcggt tttttttttt tttttttttt      60
ttt                                                                                   63

```

```

<210> 8832
<211> 1010
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (213)..(213)
<223> n = A, C, G or T

```

```

<220>
<221> misc_feature
<222> (491)..(551)
<223> masked repetitive sequence

```

```

<220>
<221> misc_feature
<222> (601)..(601)

```

<223> n = A, C, G or T

<220>

<221> misc\_feature

<222> (761)..(761)

<223> n = A, C, G or T

<400> 8832

```

cggacaggta cctaaaagca ggctgtgcac tagggaccta gtgaccttac tagaaaaaac      60
tcaaattctc tgagccacaa gtccatcatgg gcaaaatgta gataccacca cctaaccctg      120
ccaatttcct atcattgtga ctatcaaatt aaaccacagg caggaagttg ccttgaaaac      180
tttttatagt gtatattact gttcacatag atnagcaatt aactttacat ataccggttt      240
ttaaaagatc agtcctgtga ttaaaagtct ggctgcccta attcacttcg attatacatt      300
aggttaaagc catataaaag aggcaactacg tcttcggaga gatgaatgga tattacaagc      360
agtaattttg gctttggaat atacacataa tgtccacttg acctcatcta ttgacacaa      420
aatgtaaact aaattatgag catcattaga taccttgggc cttttcaaat cacacagggc      480
cctagatctg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      540
nnnnnnnnnn nactttggat tcttatatct ttgtcagctg tcaacttcag tgttttcagg      600
ntaaattcta tccatagtca tccaatata cctgcttttag atgatacaaa cttcaaaaga      660
tccggctctc cctcgtaaaa cgtggaggac agacatcaag ggggttttct gagtaaagaa      720
aggcaaccgc tcggcaaaaa ctcaccctgg cacaacagga ncgatatat acagacgctg      780
attgagcggt ttgctccatc ttcacttctg ttaaatgaag acattgatat ctaaaatgct      840
atgagtctaa ctttgtaaaa ttaaaataga tttgtagtta tttttcaaaa tgaaatcgaa      900
aagatacaag ttttgaaggc agtctctttt tccaccctgc ccctctagtg tgttttacac      960
acttctctgg ccactccaac agggaagctg gtccagggcc attatacagg      1010

```